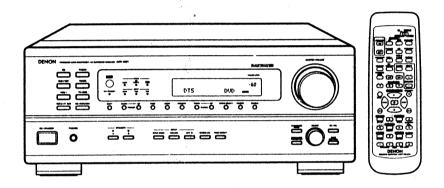
DENON

Hi-Fi Component

SERVICE MANUAL MODEL AVR-1801/881

AV SURROUND RECEIVER



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• Some Illustrations using in this service manual are slightly different from the actual set.

NIPPON COLUMBIA CO., LTD.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

SPECIFICATIONS

■ Audio section

Power amplifier

Rated output:

70W + 70W (8 Ω /ohms, 20Hz~20kHz with 0.08% T.H.D) 105W + 105W (6 Ω /ohms,1kHz with 0.7% T.H.D) (U.S.A., Canada & Europe Models)

Center 70W

120W + 120W (6Ω/ohms, EIAJ) (Asia Model) (8Ω/ohms, 20Hz~20kHz with 0.08% T.H.D) (6Ω/ohms, 1kHz with 0.7% T.H.D) (U.S.A., Canada & Europe Models)

[AM]

520kHz-1710kHz

522kHz~1611kHz

120W (6Ω/ohms, EIA.) (Asia Model) 0.8% T.H.D) (6Ω/ohms, 20Hz - 20kHz with 0.8% T.H.D) (6Ω/ohms, 14Hz with 0.7% T.H.D) (U.S.A., Canada & Europe Models) Surround 120W + 120W (6Ω/ohms, EIAJ) (Asia Model)

A or B 6 to 16Ω/ohms

Output terminals:

A + B 12 to 16Ω/ohms Center/ Surround : 6 to 16Ω/ohms

Analog

LINE Input - PRE OUT

Input Sensitivity/input impedance: Frequency response: S/N ratio

200mV/47kΩ/kohms 10Hz~100kHz: + 1, -3dB (TONE DEFEAT ON) 100dB (IHF-A weighted) (TONE DEFEAT ON)

 Phono equalizer PHONO input - REC OUT

Input sensitivity/input impedance: 2.5mV/47kΩ/kohms

RIAA deviation: ±1dB (20Hz~20kHz) 74dB (IHF-A weighted, with 5mV input) S/N retio:

Rated output/Maximum output: 150mV/7v 0.03% (1kHz, 3V)

■ Video section

Standard video jacks

Input/output level and impedance: Frequency response:

1Vp-p, 75Ω/ohms 5Hz~10MHz --- +1, -3dB

 S-video jacks input/output level and impedance:

Y (brightness) signal — 1Vp-p, 75Ω/ohms C (color) signal — 0.286Vp-p, 75Ω/ohms 5Hz~10MHz; — +1, -3dB

Frequency response:

■ Tuner section

Receiving range: U.S.A., Canada & [FM] (note: μV at 75 Ω /ohms, 0dBf =1x10⁻¹⁵W)

Asia (for Multiple voltage) Models

87.50MHz-107.90MHz

Europe & Asia (for China) Models

87.50MHz~108.00MHz Usable sensitivity: 1.0 µV (11.2dBf) 50 dB quieting sensitivity MONO 1.6 μV (15.3dBf)

S/N ratio:

STEREO 23 µV (38.5dBf) MONO 80dB (IHF-A weighted) 75dB (IHF-A weighted) STEREO 0.15% (1kHz)

Total harmonic distortion:

MONO STEREO

■ General

Power supply: U.S.A., Canada Models AC120V, 60Hz Europe Model Asia(for Multiple voltage)Model AC230V, 50Hz AC115/230V 50/60Hz Asia(for China)Model AC220V, 50Hz

Power consumption:

434 (W) × 171 (H) × 416 (D)mm (17-3/32" × 6-47/64" × 16-3/8") Maximum external dimensions 11.3kg (24 lbs 14.6 oz)

■ Remote control unit (RC-874)

Batteries: External d R6P/AA Type(two batteries) 54 (W) \times 172 (H) \times 27.2 (D)mm (2-1/8" \times 6-49/642" \times 1-5/64") 100g (Approx. 6 oz) (including batteries)

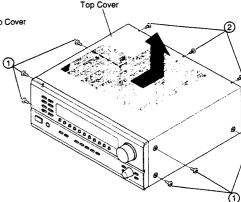
* For purposes of improvement, specifications and design are subject to change without notice.

DISASSEMBLY

(To reassemble reverse disassembly)

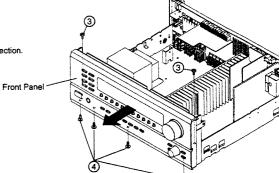
Top Cover

Remove 6 screws 1 and 3 screws 2, detach the Top Cover in the arrow direction.



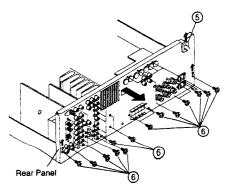
Front Panel

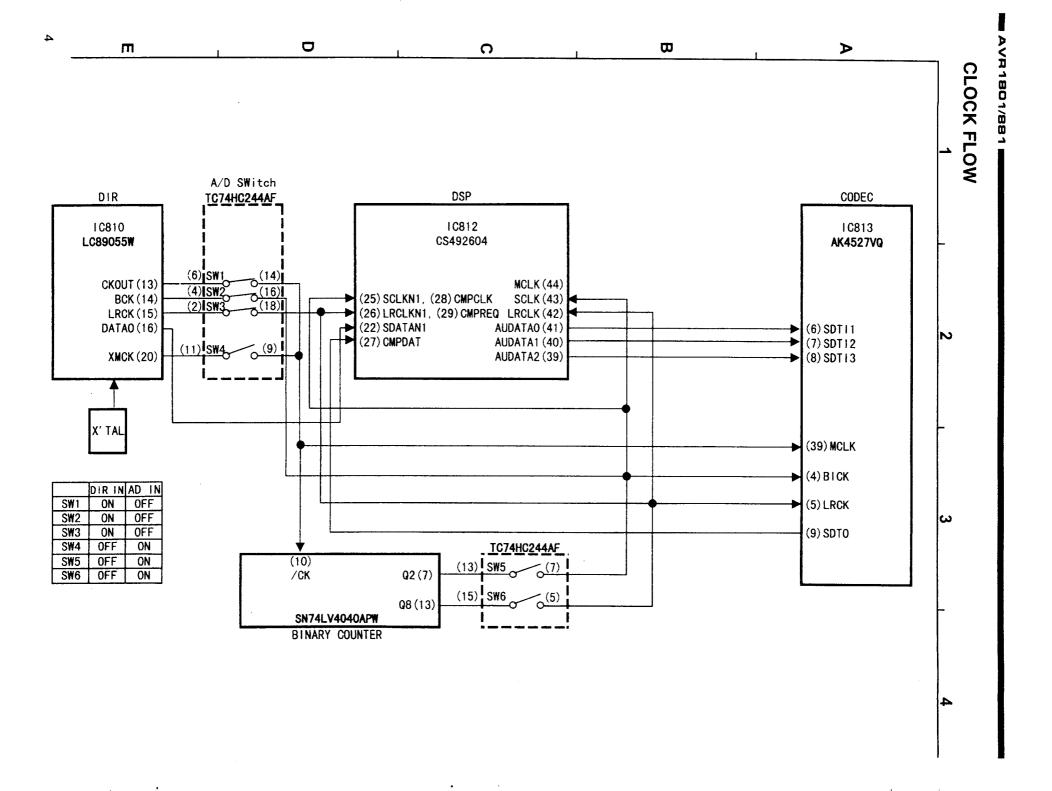
- 1. Remove 2 screws 3
- 2. Remove 4 screws (4).
- 3. Detach the Front Panel in the arrow direction.

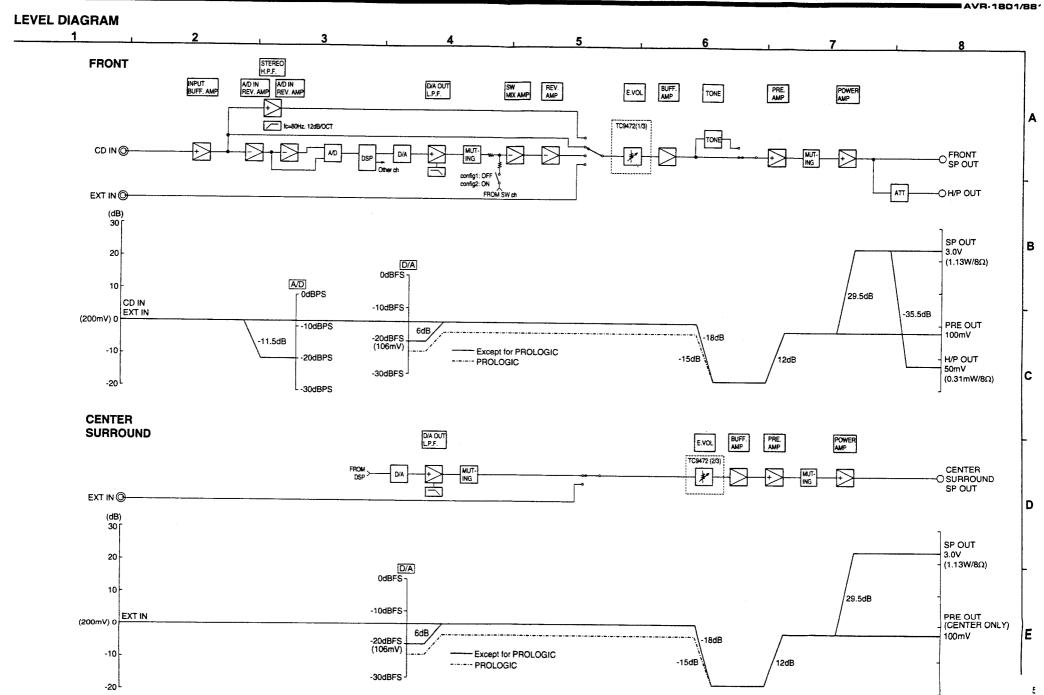


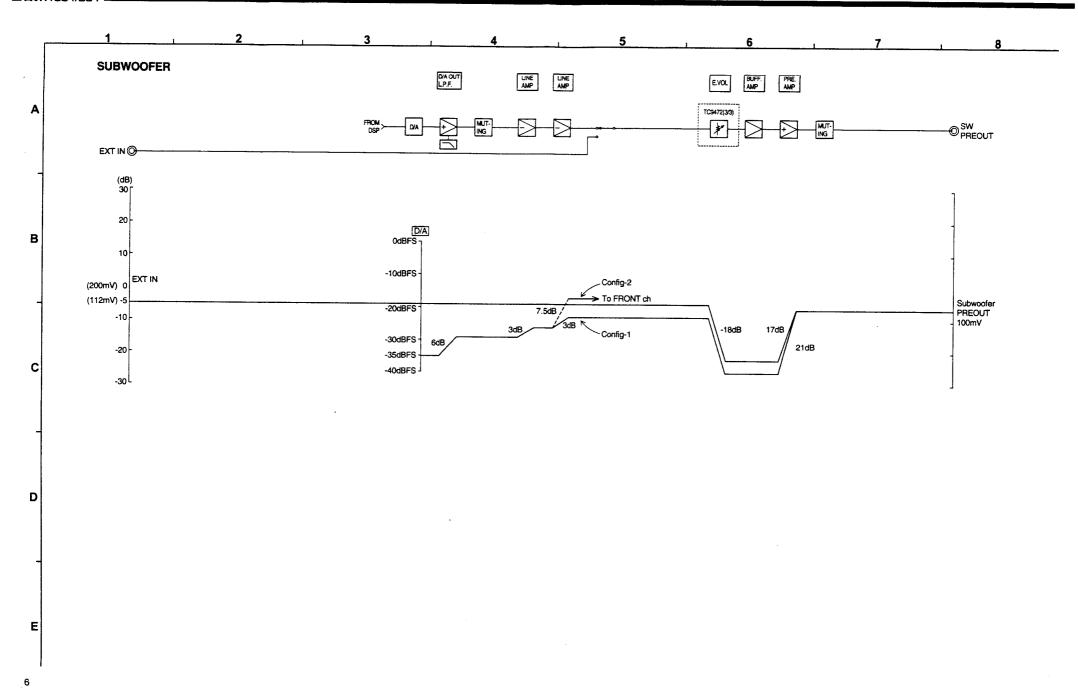
Rear Panel

- 1. Remove cord bushing (5) from the Rear Panel.
- 2. Remove 35 screw (6).
- 3. While releasing 2 hooks, detach the Rear Panel in the arrow direction.







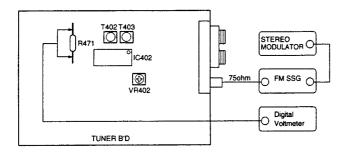


ADJUSTMENT

Tuner Section

CONNECTION DIAGRAM OF MEASURING INSTRUMENTS

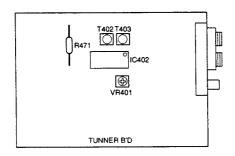
• FM



FM ALIGNMENT

		Tuning		Input					tput	Adjustment	
Step	Alignment Item	Frequency Setting	Туре	Frequency	Input Level	Modulation	Coupling	Туре	Connect to	Points	Adjust to
1	Center Adjustment	98.1MHz (98.0MHz)	FM SSG	98.1MHz	60dBμ	_	Antenna Terminal	Digital Voltmeter	R471	T402	± 50mV
2	Distortion	98.1 MHz (98.0 MHz)	FM SSG	98.1MHz	60dBµ	Mono 1kHz 100%	Antenna Terminal	Distortion Meter	Output Terminal (L)	T403	Minimum Distortion
3					Rep	eat Steps 1 a	nd 2				
4	Signal Level	98.1MHz (98.0MHz)	FM SSG	98.1MHz	20dBμ	OFF	Antenna Terminal		JNED" on risplay	VR402	20 ^{±14} ₁₀ dB

AM



AM ALIGNMENT

	Alignment	F		Ou	tput		Adjustment	Remarks
Step	Item	Frequency	Input	Туре	Connect to	Points	Adjust to	riemarks
1	Signal Level	999 (1000) kHz	AM SSG	_		VR401	Light "TUNED" on FL Display	SSG OUTPUT 74dBµ (EMF)

Audio Section

Idling Current

Required measurement equipment : DC Voltmeter

Preparation

(1) Avoid direct blow from an air conditioner or an electric fan, and adjust the unit at normal room tempereture 15 °C ~ 30 °C (59 °F ~ 86 °F).

(2) Presetting

● POWER (Power sourse switch)

→ OFF

SPEAKER (Speaker terminal)

→ No load (Do not connect speaker, dummy resistor, etc.)

Adjustment

- (1) Remove top cover and set VR101, VR102, VR103, VR104, VR105 on Amp. Unit at full counterclockwise ()
- (2) Connect DC Voltmeter to test points (FRONT-Lch: TP101, FRONT-Rch: TP102, CENTER ch: TP103, SURROUND-Lch: TP104, SURROUND-Rch: TP105).
- (3) Connect power cord to AC Line, and turn power switch "ON".

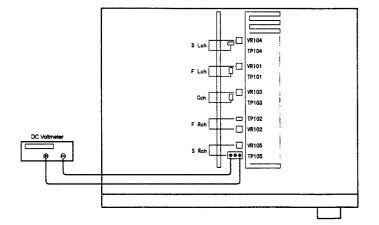
(4) Presetting.

MASTER VOLUME: "---" counterclockwise (min.)

MODE : 5CH STEREO

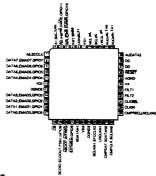
FUNCTION : CD

- (5) Within 2 minutes after the power on, turn VR101 clockwise () to adjust the TEST POINT voltage to 1.5 mV ±0.5 mV
- (6) After 10 minutes from the preset above, turn VR101 to set the voltage to 2 mV ±0.5 mV DC.
- (7) Adjust the Variable Resistors of other channels in the same way.



SEMICONDUCTORS

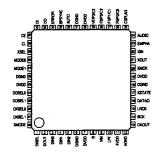
• ICs CS492604-CLR (IC812)



CS492604-CLR Terminal Function

Pin No.	Pin Name	Function
1	VD1	Digital positive supply
2	DGND1	Digital supply ground
3	XMT958	SPDIF transmitter output
4	WR, DS, EMWR, GPIO10	Host write strobe or host data strobe or external memory write enable or general purpose input & output number 10
5	RD, R/W, EMOE, GPIO11	Host parallel output enable or host parallel R/W or external memory output enable or general purpose input & output number
6	A1, SCDIN	Host address bit one or SPI serial control data input
7	A0, SCCLK	Host parallel address bit zero or serial control port clock
8	DATA7, EMAD7, GPIO7	
9	DATA6, EMAD6, GPIO6	
10	DATAS, EMADS, GPIOS	
11	DATA4, EMAD4, GPIO4	
12	VD2	Digital positive supply
13	DGND2	Digital supply ground
14	DATA3, EMAD3, GPIO3	
15	DATA2, EMAD2, GPIO2	
16	DATA1, EMAD1, GPIO1	
17	DATAO, EMADO, GPIOO	
18	CS	Host parallel chip select, host serial SPI chip select
19	SCDIO, SCDOUT, PSEL, GPIO9	Serial control port data input and output, parallel port type select
20	INTREQ. ABOOT	Control port interrupt request, automatic boot enable
21	EXTMEM, GPIO8	External memory chip select or general purpose input & output number 8
22	SDATAN1	PCM audio data input number one
23	VD3	Digital positive supply
24	DGND3	Digital supply ground
25	SCLKN1, STCCLK2	PCM audio input bit clock
26	LRCLKN1	PCM audio input sample rate clock
27	CMPDAT, SDATAN2	PCM audio data input number two
28	CMPCLK, SCLKN2	PCM audio input bit clock
29	CMPREQ, LRCLKN2	PCM audio input sample rate clock
30	CLKIN	Master clock input
31	CLKSEL	DSP clock select
32	FILT2	Phase locked loop filter
33	FILT1	Phase locked loop filter
34	VA	Analog positive supply
35	AGND	Analog supply ground
36	RESET	Master reset input
37	DD	Reserved
38	DC	Reserved
39	AUDATA2	Digital audio output 2
40	AUDATA1	Digital audio output 1
41	AUDATAO	Digital audio output 0
42	LACLK	Audio output sample rate clock
43	SCLK	Audio output bit clock
44	MCLK	Audio master clock

LC89055W (IC810)

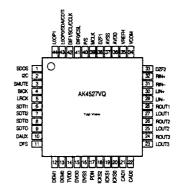


LC89055W Terminal Function

Pin Pin Name	1/0	Function			
1 DISEL	I	Data input terminal (select input pin of DIN0, DIN1)			
2 DOUT	0	nput bi-phase data through output terminal			
3 DINO	1	Amp built-in coaxial/optical input correspond data input terminal			
4 DIN1	1	Amp built-in coaxial/optical input correspond data input terminal			
5 DIN2	1	Optical input correspond data input terminal			
6 DGND		Digital GND			
7 DVDD ·		Digital power supply			
8 R	1	VCO gain control input terminal			
9 VIN	1	VCO free-run frequency setting input terminal			
10 LPF	0	PLL loop filter setting terminal			
11 AVDD		Analog power supply			
12 AGND		Analog GND			
13 CKOUT	- 10	Clock output terminal (256fs, 384fs, 512fs, X'tal osc., VCO free-run osc.)			
14 BCK	ō	64fs clock output terminal			
15 LRCK	ō	fs clock output terminal (L: Rch, H: Lch, I2S: Reverse)			
16 DATAO	1 8	Data output terminal			
17 XSTATE	0	Input data detecting result output terminal			
18 DGND	- -	Digital GND			
19 DVDD		Digital power supply			
20 XMCK	0	X'tai osc. clock output terminal (24.576MHz or 12.288MHz)			
21 XOUT	ŏ	X'tal osc. connection output terminal			
22 XIN	- - ₹-	X'tal osc. connection input terminal, external signal input possible (24.576MHz or 12.288MHz)			
23 EMPHA	- 	Emphasis information output terminal of channel status			
24 AUDIO	1 6	Bit1 output terminal of channel status			
25 CSFLAG	1 8	Top 40bit revise flag output terminal of channel status			
26 F0/P0/C0	1 6	Input is cal. sig. out/data type out/input word inf. output terminal			
27 F1/P1/C1	- 1 6	Input is cal. sig. out/data type out/input word inf. output terminal			
	1 6	Input is cal. sig. out/data type out/input word inf. output terminal			
28 F2/P2/C2	1 8	Validity flag out/data type out/input word inf. output terminal			
29 VF/P3/C3		Digital power supply			
30 DVDD					
31 DGND	-+-	Digital GND			
32 AUTO	- 0	Non PCM burst data transfer detect sig. output terminal			
33 BPSYNC	0	Non PCM burst data preamble Pa, Pb, Pc, Pd sync sig. output terminal			
34 ERROR	- 	PLL lock error, data error flag output terminal			
35 DO	<u> </u>	CPU/IFD read data output terminal			
36 DI		CPU I/F write data input terminal			
37 CE		CPU I/F chip enable input terminal			
38 CL		CPU I/F chip enable input terminal			
39 XSEL		Frequency select input pin of XIN X'tal osc. (24.576MHz or 12.288MHz)			
40 MODE0	1	Mode setting input terminal			
41 MODE1	1	Mode setting input terminal			
42 DGND		Digital GND			
43 DVDD		Digital power supply			
44 DOSEL0	1	Data output format select input terminal			
45 DOSEL1	1	Data output format select input terminal			
46 CKSEL0		Output clock select input terminal			
47 CKSEL1		Output clock select input terminal			
48 XMODE	1	Reset input terminal			

For latch-up countermeasure, set digital (DVDD) and analog (AVDD) power on/off in the same timing.

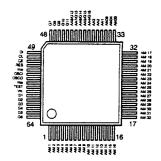
AK4527VQ (IC813)



AK4527VQ Terminal Function

Pin No.	Pin Name	1/0	Function						
1	SDOS	1	SDTO source select pin, L: Internal ADC output, H: DAUX input						
2	12C		Serial control mode select pin, L: 3-core serial, H: 1°C bus						
	SMUTE		Soft mute pin, H: Soft mute start, L: Release						
	BICK		Audio serial data clock pin						
5	LRCK	1	put channel clock pin						
	SDTI1		AC1 audio serial data input pin						
7	SDTI2		DAC2 audio serial data input pin						
8	SDTI3		DAC3 audio serial data input pin						
	SDTO	0	Audio serial data output pin						
	DAUX	1	Auxiliary audio serial data input pin						
11	DFS	_	Double speed sampling mode pin, L: Normal, H: Double						
12	DEM1		De-emphasis-1 pin						
13	DEM0	_	De-emphasis-2 pin						
	TVDD		Power pin for output buffer, 2.7V~5.5V						
	DVDD		Digital power pin, 4.5V-5.5V						
	DVss	_	Digital GND pin, 0V						
	PDN		Power down & reset pin, L: Powered-down and register initialized, Reset with PDN when switching CAD0-1						
	ICKS2		Input clock select-2 pin						
	ICKS1	_	Input clock select-1 pin						
20	ICKS0	1	Input clock select-0 pin						
21	CAD1		Chip address-1 pin						
	CAD0	1	Chip address-0 pin						
23	LOUT3	0	DAC3L channel analog out pin						
24	ROUT3		DAC3R channel analog out pin						
	LOUT2	0	DAC2L channel analog out pin						
26	ROUT2	0	DAC2R channel analog out pin						
	LOUT1		DAC1L channel analog out pin						
28	ROUT1	0	DAC1R channel analog out pin						
29	LIN-	1	L-ch analog inverted input pin						
30	LIN+	1	L-ch analog non-inverted input pin						
31	RIN-	- 1	R-ch analog inverted input pin						
32	RIN+	1	R-ch analog non-inverted input pin						
33	DZF2	0	0 input detect 2 pin, H: Input data of G2 is 8192 times "0" in a raw or RSTN bit "0". L: When P/S= "0"						
34	VCOM	O	Common V-out pin, AVDD/2, connect large capacitor to avoid noise						
	VREFH	Ī	Ref. V input pin, AVDD						
	AVDD	_	Analog GND pin, 4.5V~5.5V						
	AVss		Analog GND pin, 0V						
	DZF1	0	0 input detect pin, H: Input data of G1 is 8192 times "0" in a raw or RSTN bit "0". L: When P/S= "0"						
	MCLK	1	Master clock input pin						
40	P/S	1	Parallel/Serial select pin, L: Serial control						
41	DIFO		Audio data I/F format 0 pin (parallel control)						
	CSN		Chip select pin (3-wire serial control), connect to DVDD when I*C bus control						
42	DIFI	1	Audio data I/F format 1 pin (parallel control)						
	SCL/CCLK		Control data clock pin (serial control), I ² C="L": CCLK (3-wire serial), I ² C="H": SCL (I ² C bus)						
43	LOOP0	1	Loop back mode 0 pin (parallel control), effects digital loop back ADC to all DAC						
📆	SDA/CDTI	1/0	Control data input pin (serial control), 1°C="L": CCTI (3-wire serial), 12C="H" SDA (1°C bus)						
44	LOOP1		Loop back mode 1 pin, from SDT1 to all DAC						

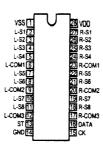
LC75721E (C301)



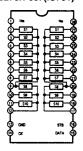
● LC75721E Terminal Function

Symbol	Function
Voo	Power terminal +5V
Vss	Power terminal GND
VA	Power terminal Ft, drive
CE OI	Senal data transfer terminal DI: Data CL: Clock CE: Chip enable
OSCI OSCO	External CR connecting terminal
AES	System reset terminal
AM1~AM35 AA1~AA3	Anode output terminal
AA4/G16 AA5/G15 AA6/G14 AA7/G13 AA8/G12	Anode/Grid output terminal
G1~G11	Grid output terminal
TEST	LSI test terminal

KIC9164AN(IC203)



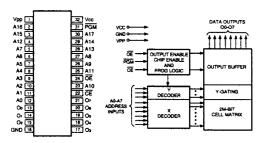
TC9273N-007(IC701)



● TC9273N Terminal Function

Pin No	Symbol	Name	Function	
1	Vss	+Power Terminal	Dual Power Use: VDD = 8.0~17 V Single Power Use: VDD = 8.0~18V	1
13	GND	Digital Ground	GND=0V GND=0V	
28	Voo	+Power Terminal	Vss=-8.017V	
2-12 12-27	S1~S10	I/O Terminal	Input terminal of analog switch.	
14	CK	Clock input	Clock input for data transfer.	Low level
15	DATA	Data input	Serial input for switch setting.	Border Incu
16	STB	Strobe input	Strobe inputStrobe input for data writing.	Terminal

W27C020(IC807)



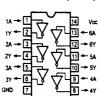
NJM2068DD (IC205-210, 551, 702-704, 814-816) BA4510F(IC805, 806)



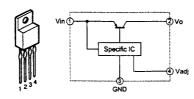
SN74LV00APW(IC822)



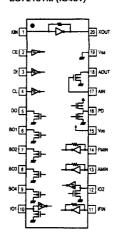
MC74HCU04AD(IC803)



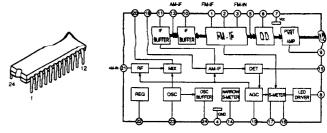
KIA78R05PI (IC653)



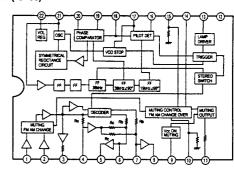
LC72131M (IC401)



LA1266 (IC402)

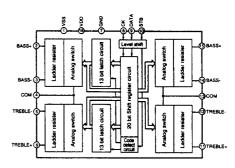


LA3401 (IC403)

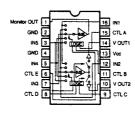


TC9184AP (IC552)





BA7625 (IC601, 651, 652)



A	В	£	MONITOR OUT
L	L	•	IN 1
н	L	٠	IN 2
Ŀ	Н	٠	IN 3
н	Н	L	IN 4
н	Ŧ	¥	IN 5

С	D	E	V OUT 1
	L	٠	-
Н	_	•	IN 2
L	Н	٠	IN 3
н	Н	L	iN 4
			41.5

О	O	Ε	V OUT 2
٦	٦	٠	IN 1
π	٦	٠	_
L	Н	٠	IN 3
Н	н	Ļ	IN 4
π	н	н	IN 5

Note 1: *mark means that feasible for either H or L

Note 2: Each input terminal is provided with sink chip clamp (BA7625).

Each input terminal takes 20kohm at the end (BA7626).

SN74LV4040 (IC831)



Terminal Function

erm	ınaı r	unction								
INP	UTS	OUTPUTS								
CP MR Qn										
1 L no change										
1	L	count								
X H L										
H=HIGH voltage level										

H=HIGH voltage level
L=LOW voltage level
X=don't care
1=LOW-to-HIGH clock transition
1=HIGH-to-LOW clock transition

KIA7805 (IC104) KA7815 (IC101)



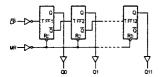
NJM7805FA (S) (IC103, 829)



KIA7915 (IC102)



BA033FP (IC811)



PC74HC4094 (IC302, 602)



TC74HC125D (IC821)



PC74HCT574 (IC808,809)



DC74HCT244 (IC828,830)



• IC PROTECTOR

ICP-N15 (IC105)



POSISTOR P43T7D330BW16



• OPTICAL OUT GP1F37R1 (IC801, 802)

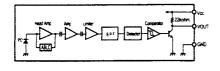


1. Vœ 2. GND



NJL64H380A(RMC301)









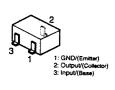


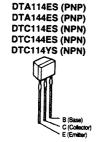


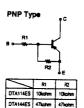
2SB1560 2SD2390

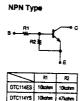


2SC2412K (S) KTC3880 (S)









OTC144ES 47kohm 47kohm

25	C1	74	08



DTA114EK DTA144EK DTC114EK DTC114YK DTC144EK







i		- "	re_			R1	RQ:
	DTA114EX	10kohm	10kohm	on	C114EK	10kohm	10koh
	DTA144EK	47kohm	47kohm	01	C114YK	10kohm	47koh
				D1	C144EK	47hohm	47koh

DIODES (LED Included)

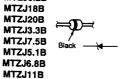
	$\supset \longrightarrow$
Vallow	-14-

155133



1N4004A





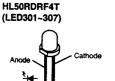


KDS160

KBPC604





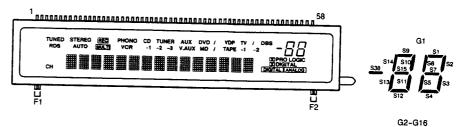


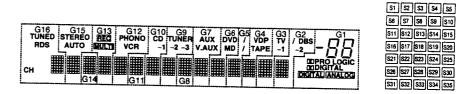




■ FL DISPLAY

16-st-42GNK (FL301)





Pin Assignment

PIN NO.	1	2	3	4	=	-				- 10										
CONNECTION	l		~		3		_′	8	9	10	11		13	14	15	16	17	18	19	20
	-	-1	- 51	S2_	<u>S3</u>	<u>S4</u>	<u>S5</u>	<u>S6</u>	<u>\$7</u>	<u>\$8</u>	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18
PIN NO.	21	22	23	24	25	26	27	28	20	20	21	20	20	~ 4	~~					
CONNECTION	S19	S20	S21	S22	S23	S24	S25	\$26	S27	S28	S29	S30	S31	S32	533	534	635	200	627	620
FIN NO.	41	42	43	44	45	46	47	48	40	50	51	52	53						337	330
CONNECTION	G16	G15	G14	G12	G12	011	010	~	73					54	55	56	57	58		
	0.0	413	- 11-	013	912	GII	G10	<u>uə</u>	G8	G7	G6	_G5	G4	_G3	G2	G1	F2	F2		

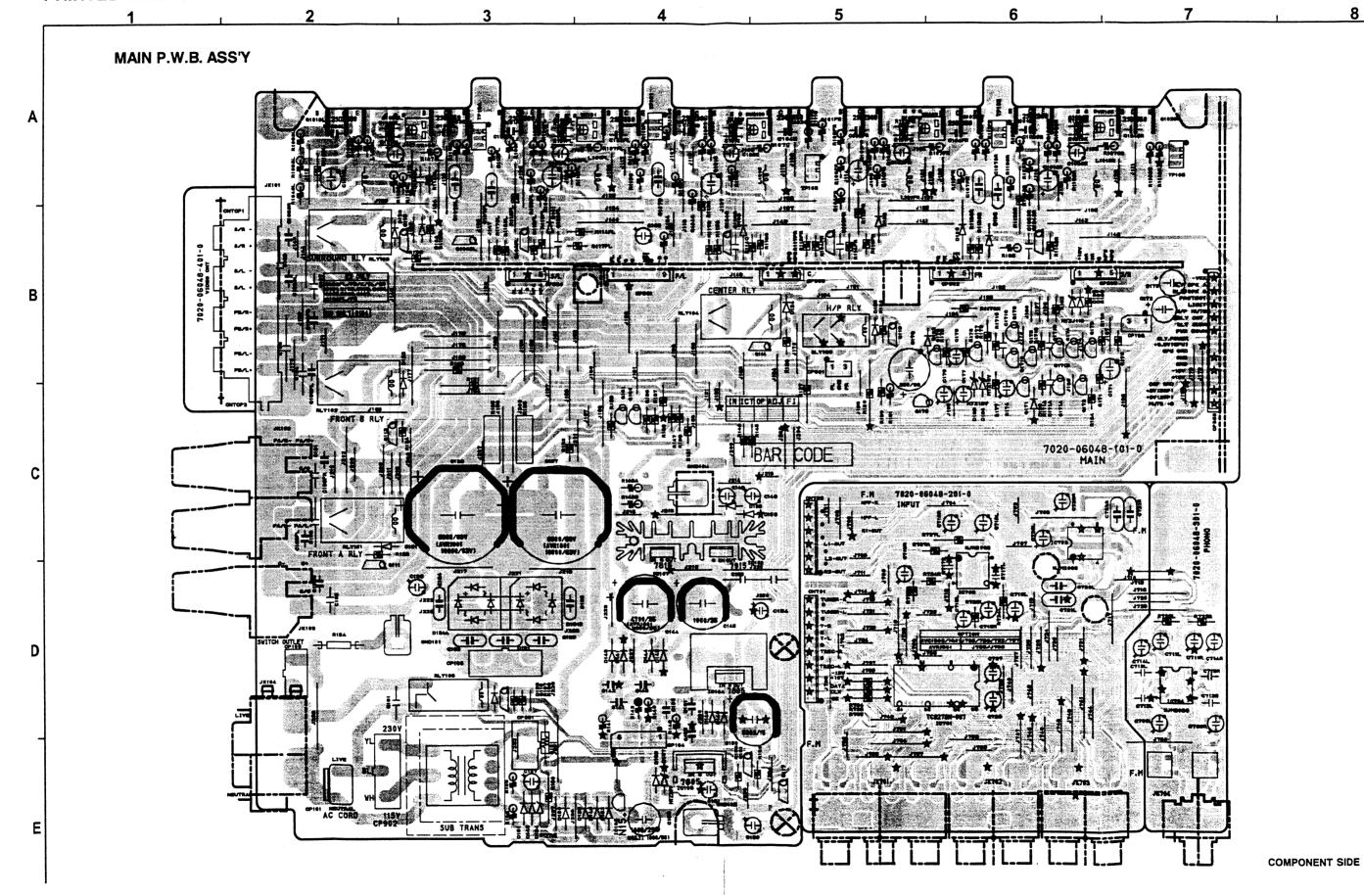
F1,F2 : Filament G1-G16 : Grid S1~S38 : Anode

Anode & Grid Assignment

	G1	G2~G16		G1	G2~G16		G1	G2~G16		G1	G2~G16
S1	\$1	S1	S10	S10	S10	S19		S19	000	- 61	
S2	S2	S2	S11	S11	S11	S20			S28		S28
S3	S3	S3						S20	S29		S29
			S12	\$12	S12	S21		S21	S30		S30
S4	S4	S4	S13	S13	S13	S22		S22	S31		
S5	S5	S5	S14	S14	S14	S23		S23	S32		S31
S6	S6	S6	S15	S15	S15	S24	. —	-			S32
S7	S7	S7	S16	0.0			_	S24	\$33		S33
	3,	- 1			S16	S25		S25	S34		S34
S8		S8	S17	I ■ DIGITA	L S17	S26		S26	S35		S35
S9	S9	S9	S18	DEPRO LOC	SICS18	S27		S27	555		335

	61	G2	G3	~~	~-											
	<u> </u>	GZ_	93	G4	G5	G6	G7	_G8	G9	G10	G11	G12	G13	G14	G15	G16
S36	DIGITAL	1	TV	VDP	/(DVD)	DVD	AUX	_	TUNER	CD			DEC		STEREO	
S37	ANALOG	-2	-1				V.MAX			-1		VCR	MULT			
S38	S38	DBS							-			VON	MUL		AUTO	RDS
									~3							CH

PRINTED WIRING BOARDS



FOIL SIDE

17

1

_

C

-

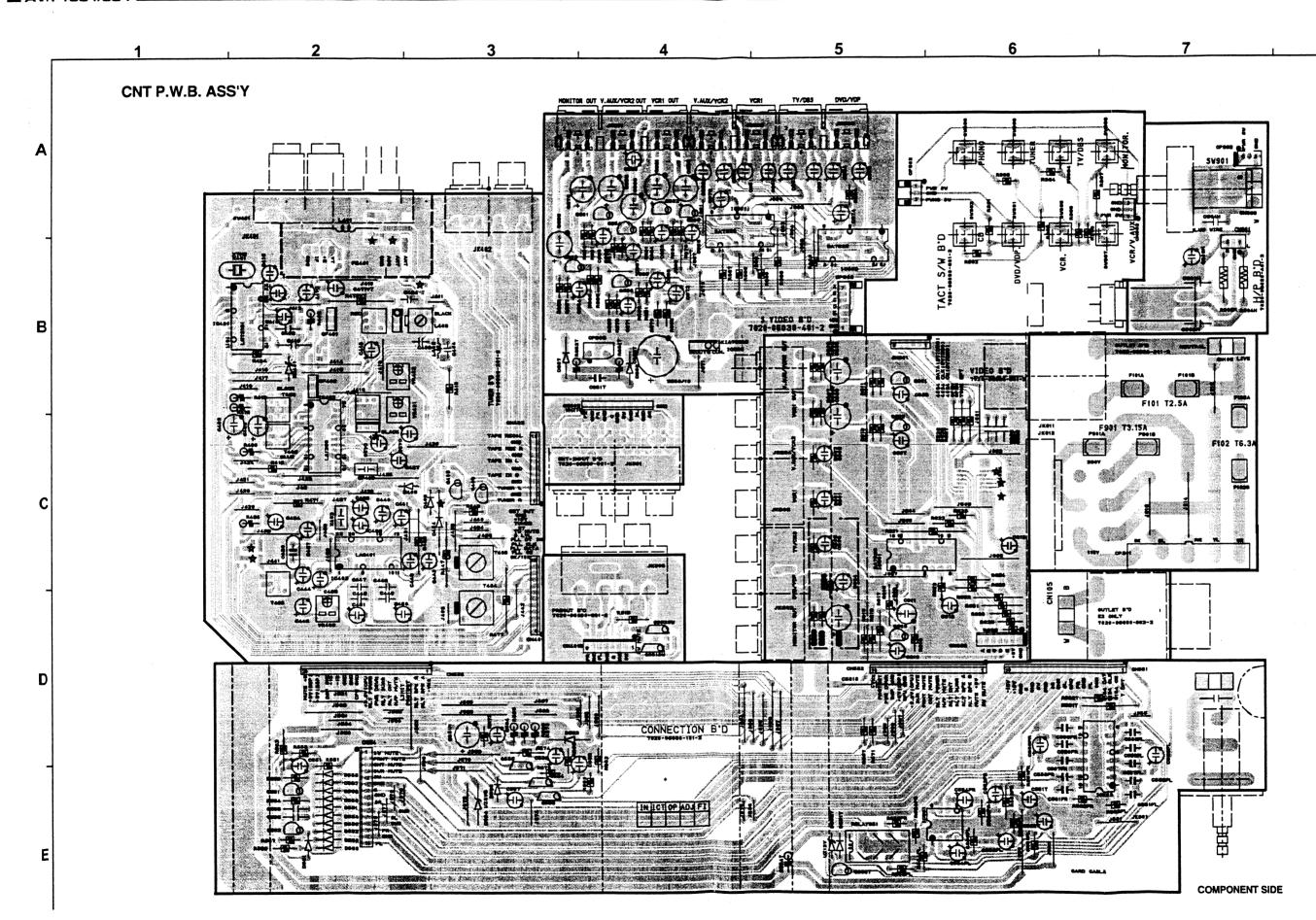
E

PROCESSOR P.W.B. ASS'Y JP 328 AUR1801 CPU BOARD 7020-05029-101-2 COMPONENT SIDE

18

AR 28 % / FOIL SIDE

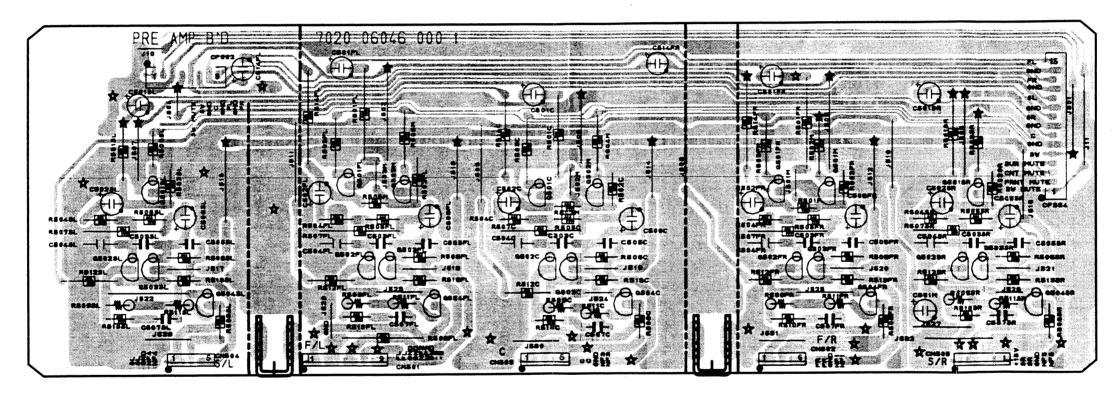
19



D FOIL SIDE

21

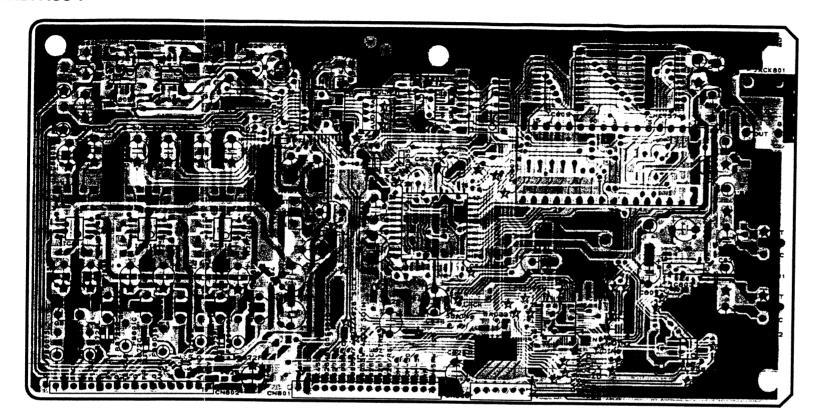
PRE-AMP P.W.B. ASS'Y



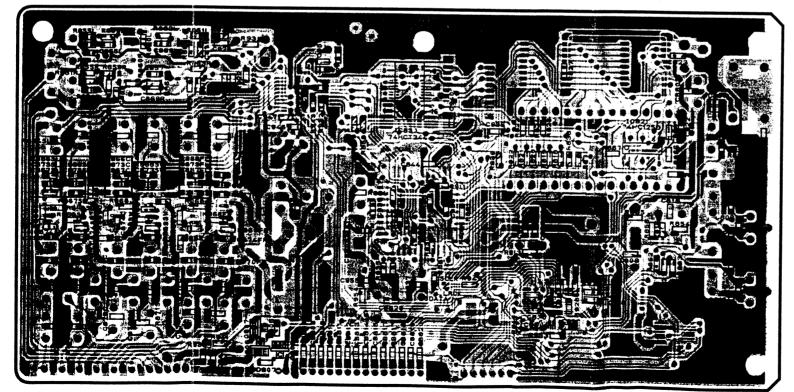
COMPONENT SIDE

1 2 3 4 5 6 7 8

DSP P.W.B. ASS'Y

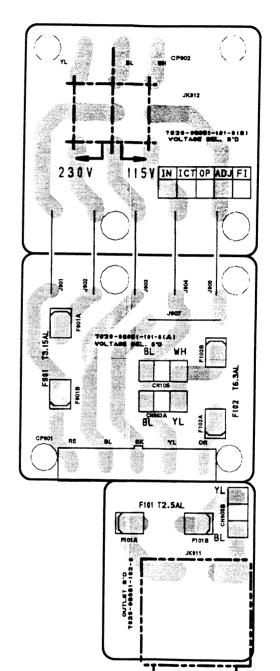


COMMPONENT SIDE



FOIL SIDE





COMMPONENT SIDE

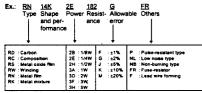
NOTE FOR PARTS LIST

- Part indicated with the mark "O" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- · Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
 WARNING:

Parts marked with this symbol \triangle have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

Resistors



+ B...inta....

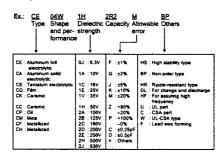
1	<u>}_</u>	=	1800 ohm = 1.8 kohm Indicates number of zeros after effective number. 2-digit effective number.
 Units 	: ohn	1	-

1_R 2 ⇒ 1.2 ohm

1-digit effective number.

2-digit effective number, decimal point indicated by R.

Capacitors



* Capacity (electrolyte only)

2 2 ⇒ 2200μF Indicates number of zeros after effective number.

• Units: μF.

2_R 2_ == 2.2µF
1-dight effective number.
2-digit effective number, decimal point indicated by R.

* Capacity (except electrolyte)

2 2 ⇒ 2200pF=0.0022µF

1 (More than 2)—indicates number of zeros after effective number

2-digit effective number.

2_2 1 ⇒ 220pF Indicates number of zeros effective number.

- Linder oF.

 When the dielectric strength is indicated in AC, "AC" is included after the dielectric strength value.

PARTS LIST OF P.W.B. UNIT

FRSLSR

R106C.FL.

FR.SL.SR.

963 0047 900 Metal film 4.7 ohm 1W

Note: The symbols in the column "Remarks" indicate the following destination
E3: U.S.A. model, Canada model E1C: China model
EU; U.S.A. model (AVR-881) E1H: Hong Kong model
E2: Europe model E1T: Taiwan R.O.C. model

Ref. No. Part No. Part Name Remarks SEMICONDUCTORS GROUP 963 0057 903 IC KIA7815AP J126781500060 IC102 963 0044 806 IC NJM7915FA J126791500010 IC103 960 0196 001 JC NJM7805FA (S) J126780500130 963 0057 709 IC KIA7805AP J126780500360 IC104 IC105 960 0195 808 IC protector ICP-N15 J120001500030 960 0174 308 IC TC9273N-007 J080927300000 IC701 IC702-704 960 0174 502 IC NJM2068DD J121206800000 Q104C,FL, 960 0196 506 Transistor KSC1845F J5021845F0000 FR.SL.SR 0111-116 960 0196 409 Transistor 2SC1740SR J5021740S0010 J6020114Y0050 Q117 960 0196 904 Transistor DTC114YS (NPN) for E3,EU,E1,E1H,E1T 960 0196 409 Transistor 2SC1740SR J5021740S0010 Q161 Q171 960 0005 202 Transistor KTC3198 (Y) J5023198Y0000 Q171A,B,C 960 0196 302 Transistor KTA1268BL J5001268B0050 960 0005 202 Transistor KTC3198 (Y) Q172-177 J5023198Y0000 Q178 960 0005 105 Transistor KTA1266Y J5001266Y0050 Q179 960 0189 005 Transistor KSA916Y J5000916Y0050 Q180.181 960 0196 302 Transistor KTA1268BL J5001268B0050 D101-105 963 0020 309 Diode 1SS133T K000013300520 D121-126 963 0020 309 Diode 1SS133T K000013300520 D131A.131E 960 0197 107 Diode KBPC604 K047604000020 963 0020 309 Diode 1SS133T D132 K000013300520 D133,134 963 0046 202 Zener diode MTZJ18B K06018R044520 963 0020 309 Diode 1SS133T K000013300520 D135 D136 963 0058 504 | Zener diode MTZJ11B K06011R044520 963 0020 309 Diode 1SS133T D137 K000013300520 D138 960 0117 608 Diode 1N4004A K040400400520 D141-146 960 0117 608 Diode 1N4004A K040400400520 D148 963 0020 309 Diode 1SS133T K000013300520 960 0117 608 Diode 1N4004A K040400400520 D149.150 963 0020 309 Diode 1SS133T K000013300520 960 0117 608 Diode 1N4004A K940400400520 D152,153 D154 963 0047 405 Zener diode MTZJ7.5B K06007R544520 D157 960 0014 905 Zener diode MTZJ20B K06020R044520 for E3,EU,E1,E1H,E17 963 0020 309 Diode 1SS133T K000013300520 D25,252 960 0197 000 Diode KDS160 K005016000010 D253.254 960 0197 000 Diode KDS160 K005016000010 D255,256 960 0197 000 Diode KDS160 K005016000010 RESISTORS GROUP R104C,FL, 244 2052 957 Metal oxide 5.6kohm 1W RS14R3A562.INRST(S) FR.SL.SR.

C0604R7065050

	E2: Europ E1: Asia r	e model nodel	E1T: Taiwan R.O.	C. model
١	Ref. No.	Part No.	Part Name	Remarks
1	R107C,FL,			
I	FR,SL,SR			
ı	R108C,FL,	244 2043 982	Metal oxide 0.22ohm 1W	RS14B3AR22JNBST(S)
ı	FR,SL,SR,			
l	R109C,FL,			
l	FR,SL,SR,			
1	R110C,FL,			
Į	FR,SL,SR,			
l	R111C,FL,			
l	FR,SL,SR			
١	R112C,FL,	963 9003 013	Metal film 1.8 kohm 1/4W (NB)	C060018243520
l	FR,SL,SR		Metal film 2k ohm 1/4W	C06002026P520
l	R114C,FL,		MELALIMITIZX OFITI 1/44Y	C00002020F320
I	FR,SL,SR R118C,FL,	244 2042 027	Metal oxide 10ohm 1W	RS14B3A100JNBST(S)
۱	FR,SL,SR,	244 2043 837	MEIALOXIDE TOURIST TY	no incontroct(o)
ı	R119C,FL			
I	FR,SL,SR			
İ	R135,136	963 0045 203	Winding 0.1 ohm 5W	C144R10069110
۱	R141,142	963 9003 039	Metal film 1 ohm 1/4W	C060001063050
۱	R148,149	963 9003 039	Metal film 1 ohm 1/4W	C060001063050
ı	R151		Metal film 68 ohm 1/4W	C060068063520
۱	R154	963 0043 108	Metal film 2.2 Mohm 1/2W	C060022574000
1				for E3,EU
١	R155,156	963 9003 039	Metal film 1 ohm 1/4W	C060001063050
l	R179		Metal film 47 kohm 1/4W (NB)	C060047343520
l	R181	963 0047 900	Metal film 4.7 ohm 1W	C0604R7065050
l	R184	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBST(S)
l	R185	963 9003 039	Metal film 1 ohm 1/4W	C060001063050
ı				
١	R701L,R		Carbon chip 390 ohm 1/10W	C200039160200
۱	R702L,R-		Carbon chip 470 ohm 1/10W	C200047160200
I	708L,R			
I	R709L,R		Carbon chip 68 kohm 1/10W	C200068360200
١	R710L,R~	963 9003 071	Carbon chip 2.7 Mohm 1/10W	C200027560200
ł	716L,R		Carbon chip 150 kohm 1/10W	C200015460200
I	R717L,R R718L,R		Carbon chip 47 ohm 1/10W	C200047060200
I	R719LR		Carbon chip 240 ohm 1/10W	C200024160200
ı	R720L,R		Carbon chip 130 kohm 1/10W	C200013460200
ł	R721L,R		Carbon chip 1 Mohm 1/10W	C200011360200
ı	R722L,R,		Carbon chip 100 ohm 1/10W	C200010160200
١	R725L,R		:	
١	R726LR	1	Carbon chip 100 kohm 1/10W	C200010460200
l	R728L,R		Carbon chip 39 kohm 1/10W	C200039360200
4	R729L,R		Carbon chip 100 ohm 1/10W	C200010160200
1	R730L,R		Carbon chip 100 kohm 1/10W	C200010460200
	R731L,R,		Carbon chip 39 kohm 1/10W	C200039360200
	R732L,R		1	*
	R737L,R)	Carbon chip 22 ohm 1/10W	C200022060200
	R751LR	1	Carbon chip 100 kohm 1/10W	C200010460200
ł	1		1	

Ref. No.	Part No.	Part Name	Remarks	Ret. No.	Part No.	
VR101~105	960 0091 601	Semi fixed resistor 1 kohm	C544102015130	C713LR		Myk
			•	C714LR	¦	Elec
		<u> </u>		C715L,R		Cen
	ORS GROU			C716L,R		Elec
C101C,FL,		Electrolytic 47µF/50V	D040470087060	C718L,R		Elec
FR,SL,SR	1			C719L,R	ļ	Elec
C102C,FL,		Electrolytic 10µF/50V	D040100087050	C720L,R,	963 9003 152	
FR.SL,SA				C721L,R	100 100	",
C103C,FL,	963 9003 084	Ceramic 100pF/500V	D00410106D050	C723L,R		Elec
FR.SL,SR,				C724L,724R,		Cer
C104C,FL,				C725,726		
FR,SL,SR				C727,728		Elec
C105C,FL,	960 9003 108	Ceramic 0.022µF/25V	D005223594520]		1
FR,SL,SR				JR251		Cer
C107C,FL,		Mylar film 0.1µF/250V	D02010407H080	3/1231		Cen
FR,SL,SR				l L		L
C131~135		Mytar film 0.1µF/250V	D02010407H080	OTHER P	ARTS GROU	JP
C136,137	960 0177 305	Electrolytic 10000µF/63V	D040103088380	CN701	963 0046 707	16P
C138		Electrolytic 1µF/50V	D040010087080	CN702	963 0046 600	110
C141~143	963 0021 900	Mytar film 0.047µF/100V	D02047306C060			
C144		Electrolytic 3300µF/10V	D040332085010	CP101	960 0197 505	2P (
C145	963 9003 123	Electrolytic 1000µF/35V	D040102085040	CP102	960 0123 304	2P (
C146		Electrolytic 1µF/50V	D040010087080	CP103	960 0128 901	3P (
C148		Electrolytic 1µF/50V	D040010087080	CP104	960 0128 804	6P (
C150~152	963 0021 900	Mylar film 0.047µF/100V	D02047306C060	CP105	960 0123 304	2P c
C153	963 0021 104	Electrolytic 6800µF/16V	D040682083000			
C154		Electrolytic 47µF/16V	D040470083100	1		
C157		Electrolytic 1µF/50V	D040010087080	CP106	960 0123 207	3P (
C158	963 9003 136	Electrolytic 1000µF/25V	D040102084060	CP501	963 0046 901	9P d
C159		Electrolytic 1µF/50V	D040010087080	CP502~504	963 0048 608	5P (
C161		Electrolytic 10µF/35V	D040100085050	CP505	963 0048 705	6P c
C171		Electrolytic 100µF/10V	D040101082060	CP553	963 0048 802	20P
C171A,B,C	963 0020 202	Ceramic 0.1µF/50V	D005104597530	CP901	963 0048 909	3P c
C172,173		Electrolytic 220µF/6.3V	D040221081230	CP931	960 0123 304	2P c
C174		Electrolytic 10µF/50V	D040100087050] 0,30,	300 0120 304	2, 0
C175		Electrolytic 4.7µF/50V	D0404R7087100			
C176.177		Electrolytic 1µF/50V	D040010087080	1		
C178	963 9003 149	Electrolytic 330uF/63V	D040331088230	∆ F101	960 0188 705	Fus
C181	W-1000 - 10 - 10 - 10 - 10 - 10 - 10 - 1	Commit 0.00 (AC		W. 101	200 A100 100	rus
C182		Electrolytic 10µF/100V	D04010008C050	∆F101	980 0142 806	Fue
C191-197		Ceramic 2200pF/16V	D005222773530	23.5104	300 0142 000	rus
0131-137		Certainic 2200pr/104	for E2	ΔFI01LR	500 0000 004	-
C198C,FL,	963 9003 194	Mylar film 0.0022µF/100V		APIOLEA SECTION	960 0005 804	Fus
FR.SL.SR.	303 3003 134	Mylar IIITI 0.0022µF/100V	D02022206C060			2
C199FL,FR			for E2	▲F102	980 0188 705	FLES
C199FL,FH						. 6/3 1860
0054.050		0		∆ F102	963 0044 709	Fus
C251,252		Ceramic chip 0.01µF/50V	D011103777200			
				▲F1021,102F	980 0005 804	Fus
C701L,R		Ceramic chip 220pF/50V	D010221167200	H		_
C709L,R		Electrolytic 10µF/35V	D040100085100	GND101,102	960 9006 600	Теп
C710L,R		Ceramic chip 100pF/50V	D010101167200	H		ļ
C711L,R		Electrolytic 220µF/6.3V	D040221081050	JK101	960 0194 304	8P :
C712L,R		Mylar film 0.024µF/50V	D020243167050	JK102	960 0188 608	4P :

Ret. No.	Part No.	Part Name	Damark	
C713LR		Mylar film 0.0068µF/100V	D02068206C060	
C714L,R	<u> </u>	Electrolytic 4.7µF/50V	D0404R7087250	
C715L,R		Ceramic chip 0.022µF/50V	D011223777200	
C716L,R		Electrolytic 10uF/35V	D040100085100	
C718L.R		Electrolytic 10µF/35V	D040100085100	1
C719L,R	ļ	Electrolytic 1µF/50V	D040010087080	
C720L.R.	963 9003 152		D02068306C060	
C721L,R		in the second second	500000000	
C723L.R		Electrolytic 10µF/35V	D040100085100	
C724L,724R,		Ceramic chip 0.01µF/50V	D011103777200	
C725.726		Condition only 0.01 pt 750 V	0011103777200	
C727,728		Electrolytic 4.7µF/50V	D0404R7087250	
JR251		Ceramic chip 0.01µF/50V	D011103777200	
OTHER P	ARTS GROU	JP		Q'ty
CN701	963 0046 707	16P connector base	L101352371610	1
CN702		11P connector base	L101352371110	
CP101	960 0197 505	2P connector base	L108202000220	1
CP102		2P connector base	L104353280200	1
CP103	960 0128 901		L104353280300	1
CP104	960 0128 804		L102526700600	1
CP105	960 0123 304		L104353280200	1
O. 100	555 57.25 567	El GOMIGGIO DEGE	for E2,E1,E1C,	ı '
			E1H,E1T	l
CP106	960 0123 207	3P connector base	L102526700300	1
CP501	963 0046 901	9P connector base	L101353360910	;
CP502~504		5P connector base	L101353360510	3
CP505		6P connector base	L101353360510	1
CP553		20P connector base	L101353362010	
CP901		3P connector base		· I
CP931	960 0123 304	The state of the s	L101220030000 L104353280200	1 1
CP931	900 0123 304	2P connector base		'
			for E2,E1,E1C,	
			E1H,E1T	
∆ F101	960 0188 705	Fuse 8A	G650802121060	
			for E3.EU	*4
∆ F101	980 0142 806	Fuse 2.5A	G650252251180	1
			for E2	
AF101LR	960 0005 804	Fuse clip	G645000050010	2
			for ESLEVLEZ,EIC	
∆F102	980 0186 705	Fuse 8A	G650802121080	1
			for E3,EU 🔊	38
∆F102 *	963 0044 709	Fuse 3.15A	G850312251160	1
			for EZ.E1C	*
▲F102L,102R	980 0005 804	Fuse clip	G645000050010	2
GND101,102	960 9006 600	Terminal	3790040876010	2
JK101	960 0194 304	8P speaker terminal	G598041680020	1 .
JK102		4P speaker terminal	G612041037310	11

PROCESSOR P.W.B. UNIT

## SEMICONDUCTORS GROUP ## SEMICONDUCTORS GROUP Castalant name Castalant castala	Ref. No.	Part No.	Part Name	Remarks	QTY	Ref. No.	Part No.	Part Name	Remarks
	JK103	960 0194 809	2P speaker terminal	G611021078110	1	SEMICON	DUCTORS (ROUP	
L101C.FL Se3 0049 005 Induction 0.5 µH D33P50000000 5 IC203 960 0069 201 IC KICSH64AN J30P616400200 10 for E2 J30P616400200 10 for E2 J30P616400200 J30P61640000 J30P616400000 J30P61640000 J30P616400000 J30P616400000 J30P616400000 J30P616400000 J30P616400000 J30P616400000				G435204004010	1	l			J020740096124
LOTIC, FL. 963 0049 005 Inductor 0.5, 14			,						! I
FR.SLSR L701LR 235 9003 002 FTZ CHOKE COIL				·					for E2
FR.SLSR L701LR 235 9003 002 F17 CHOKE COIL	L101C.FL	963 0049 005	Inductor 0.5uH	D330R50000000	5	IC203	960 0080 201	IC KIC9164AN	J040916400020
LTOTILR 25 9003 D02 FTZ CHORE COIL D80070000000 1 to F2						1			J084948200010
LABEL 963 0059 914 FUSE LABEL(2A) 5527200040010 1 1 1 1 1 1 1 1 1		235 9003 002	FTZ CHOKE COIL	D300700000030	2	1			J121206800000
LABEL 963 0059 14 FUSE LABEL(ZA) 552720040010 1 to FEIC 1411 1011 1011 102 960 0181 702 Relay (GSPA-28 24V) G68024650200 1 1 0 0201 269 0054 901 1702 Relay (GSPA-19 12V) G680120562010 1 1 0 0201 269 0054 901 1702 1011 100				for E2					
LABEL 963 0059 14 FUSE LABEL[2A] 552720040010 1 1 for E1C						IC301	960 0180 004	IC LC75721E	J127757210010
RILY101-104 680 0181 702 Relay (GSPA-28 24V) G68024/502020 4 G68024/502020 4 G68024/502020 4 G68024/502020 5 G68024/502020	LABEL	963 0059 914	FUSE LABEL(2A)	5527200040010	1	11 :			J040744094020
RLY101-104 980 0181 702 Relay (GSPA-28 24V) GS80240501010 1				for E1C					
PLY105 960 018 500 Relay (GSV-2 24V) G68024500101 1 C202 268 0045 902 Transistor DTC144EK J5220144E0210 26202 26202 26204 26202 2620				[RMC301	960 0181 100	IC NJL64H380A	E940643800000
Relay (GSPA-1-8 12V)	RLY101-104	960 0181 702	Relay (G5PA-28 24V)	G680240502020	4				
TP101-105 960 0161 405 3P connector base	RLY105	960 0176 500	Relay (G5V-2 24V)	G680240501010	1	Q201	269 0054 901	Transistor DTC144EK	J5220144E0210
TP101-105 960 0161 405 3P connector base	RLY106	960 0181 605	Relay (G5PA-1-8 12V)	G680120502010	1	Q202	963 0045 902	Transistor 2SC2412KT	J5222412K0210
						Q203,204	960 0196 807	Transistor 2SK117Y	J5441170Y0050
	TP101~105	960 0161 405	3P connector base	L101530140310	5	Q205	269 0093 904	Transistor DTA144ES	J6000144E0010
						Q206	269 0040 902	Transistor DTC144ES	J6020144E0010
		_	Heat sink	2120043538050	1	Q207,208	960 0196 807	Transistor 2SK117Y	J5441170Y0050
Transistor Date D			Heat sink	2120044308010	1	Q209	269 0093 904	Transistor DTA144ES	J6000144E0010
## Priver trans. [Min] ## ETH_ETT ## EXCUSSION	_	Capacitor cover	4310002640010	1	Q210	269 0040 902	Transistor DTC144ES	J6020144E0010	
A				for E2,E1,E1C,		Q211~213	960 0196 807	Transistor 2SK117Y	J5441170Y0050
Section Sect				E1H,E1T	l	Q214	269 0046 906	Transistor DTA114ES	J6000114E0010
A 900 0185 711 Power trans. (Mini) to E2 2002000010 to E2 20000010 to E2 2002000010 to E2 20000010 to E2 20000010 to E2 200000010 to E2 20000010 to E1. (E1. E1. E1. E1. E1. E1. E1. E1. E1. E1.	A	960 0185 708	Power trans. (Mini)	Lateral Color Colored		Q215	269 0020 906	Transistor DTC114ES	J6020114E0010
A Power trans. (Aim) 820 0185 737 Power trans. (Aim) 820050150030 1 1 820050150000 1 1 82005015000 1 8200501			Provide the second of the second	for E3,EU		Q216	269 0046 906	Transistor DTA114ES	J6000114E0010
## Section of the composition of	Δ— ΄΄	980 0185 711	Power trans. (Mini)	8201280000010	1				
Section Sect			San	1. 1. S.		Q300,301	269 0055 900	Transistor DTA144EK	1
## Section Sec	▲	960 0185 737		4 a 1 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2		Q302,304	269 0054 901	Transistor DTC144EK	J5220144E0210
## PEC	200			THE STATE OF STREET		Q305	269 0055 900	Transistor DTA144EK	1
	Δ	980 0185 724		and the second second		Q306-314	269 0082 902	Transistor DTC114EK	J5220114E0210
		al Sc		4 (0.0000000000000000000000000000000000		41			
	_	l .		i	1				
	-	í	1 ' '	1		11	1	ł .	1
	-		ł ' '	1	1	11			
D207 960 0197 000 Diode KDS160 K005016000010 C005016000010 P210-212 960 0197 000 Diode KDS160 K005016000010 P210-212 960 0197 000 Diode KDS160 K005016000010 P305-307 960 0197 000 Diode KDS160 K005016000010 P305 P305 P305 P305 P305 P305 P305 P30	_	960 0188 307	1	1		11	1		
D207 960 0197 000 Diode KDS160 K005016000010	_	_	Wire clamp	4330000120000	2	D206	960 0197 000	Diode KDS160	
D208,209 963 0020 309 Diode 1SS133T K000013300520 K005016000010 D302-304 963 0020 309 Diode KDS160 K005016000010 D305-307 960 0197 000 Diode KDS160 K005016000010 ZD201 963 0047 502 Zener diode MTZJ6.8B K06006R844520 ZD302,303 960 0095 704 Zener diode MTZJ6.2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010					1	Н.,			
D210–212 960 0197 000 Diode KDS160 K005016000010 D302–304 963 0020 309 Diode 1SS133T K000013300520 K005016000010 ZD201 963 0047 502 Zener diode MTZJ3.3B K06003R344520 ZD301 960 0095 801 Zener diode MTZJ6.8B K06006R844520 ZD302,303 960 0095 704 Zener diode MTZJ6.2B K06006R244520 ZD305.306 960 0095 704 Zener diode MTZJ6.2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010		i				11			1
D302-304 963 0020 309 Diode 1SS133T K000013300520 K005016000010 ZD201 963 0047 502 Zener diode MTZJ3.3B K06003R344520 ZD301 960 0095 801 Zener diode MTZJ6.8B K06006R844520 ZD305.306 960 0095 704 Zener diode MTZJ6.2B K06006R244520 ZD305.306 960 0095 704 Zener diode MTZJ6.2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010					1	11	1	I .	
D305-307 960 0197 000 Diode KDS160 K005016000010 ZD201 963 0047 502 Zener diode MTZJ3.3B K06003R344520 ZD301 960 0095 801 Zener diode MTZJ6.8B K06006R844520 ZD302,303 960 0095 704 Zener diode MTZJ6.2B K06006R244520 ZD305,306 960 0095 704 Zener diode MTZJ6.2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010					1	D210-212	960 0197 000	Diode KDS160	K005016000010
D305-307 960 0197 000 Diode KDS160 K005016000010 ZD201 963 0047 502 Zener diode MTZJ3.3B K06003R344520 ZD301 960 0095 801 Zener diode MTZJ6.8B K06006R844520 ZD302,303 960 0095 704 Zener diode MTZJ6.2B K06006R244520 ZD305,306 960 0095 704 Zener diode MTZJ6.2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010	1			İ		11		D. 1 4004007	1/000013300530
ZD201 963 0047 502 Zener diode MTZJ3.3B K06003R344520 ZD301 960 0095 801 Zener diode MTZJ6.8B K06006R844520 ZD302,303 960 0095 704 Zener diode MTZJ6.2B K06006R244520 ZD305,306 960 0095 704 Zener diode MTZJ6.2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010	l					11	1		
ZD301 960 0095 801 Zener diode MTZJ6.8B K06006R844520 ZD302,303 960 0095 704 Zener diode MTZJ6.2B K06006R244520 ZD305,306 960 0095 704 Zener diode MTZJ6.2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010					1	D305~307	960 0197 000	DIOGE KDS160	LUOSU ISUUUIU
ZD301 960 0095 801 Zener diode MTZJ6.8B K06006R844520 ZD302,303 960 0095 704 Zener diode MTZJ6.2B K06006R244520 ZD305,306 960 0095 704 Zener diode MTZJ6.2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010				ļ		77004	000 0047 500	Zanas diada MTZ 10 00	KU6003B344530
ZD302,303 960 0095 704 Zener diode MTZJ6:2B K06006R244520 ZD305,306 960 0095 704 Zener diode MTZJ6:2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010	1	ļ				ZD201	903 004/ 502	Zerier Diode M12J3.38	NOOOO NOOOO
ZD302,303 960 0095 704 Zener diode MTZJ6:2B K06006R244520 ZD305,306 960 0095 704 Zener diode MTZJ6:2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010	1				1	70201	000 0005 001	Zener dinde MTZ IS 8P	K06006R844520
ZD305.306 960 0095 704 Zener diode MTZJ6:2B K06006R244520 LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010						11		i .	
LED301-307 960 0197 204 LED PIS-RD/HL50RDRF4T K500052015010						1	1	1	
	l	[20300,300	300 3033 704		
	1				1	1 FD201-207	960 0197 204	LED PIS-ROAH SORDREAT	K500052015010
LEDDOCOUS SOS CED 1 OF MAINE SOUNDS TO						11		1	1
	L						300 0103 203	CEST TO THE TOTAL OF THE TOTAL	

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
RESISTOR				R247C,SL,		Carbon chip 470 ohm 1/10W	C200047160200
		0-1	C200010260200	SR,SW		·	
R202		Carbon chip 1 kohm 1/10W	C200010260200 C200047260200	R250		Carbon chip 470 kohm 1/10W	C200047460200
R204		Carbon chip 4.7 kohm 1/10W	C200010360200	R255,256		Carbon chip 470 kohm 1/10W	C200047460200
R205	1	Carbon chip 10 kohm 1/10W	C200010300200	R259		Carbon chip 10 kohm 1/10W	C200010360200
R206		Carbon chip 220 kohm 1/10W Carbon chip 10 kohm 1/10W	C200022400200	R261		Carbon chip 12 kohm 1/10W	C200012360200
R207		Carbon chip 10 kohm 1/10W	C200010360200	R262		Carbon chip 10 kohm 1/10W	C200010360200
R209		Carbon chip 4.3 kohm 1/10W	C200043260200	R263,264		Carbon chip 12 kohm 1/10W	C200012360200
R210FL,FR		Carbon chip 10 kohm 1/10W	C200010360200	R265-271		Carbon chip 470 ohm 1/10W	C200047160200
R211	l.	Carbon chip 1 kohm 1/10W	C200010260200	R273,274	244 2051 961	Metal film 100 ohm 1W	C060010165060
R212 R213FR.	1	Carbon chip 15 kohm 1/10W	C200015360200	1			
R214FLFR		Calbor Cap 13 Rollin 1/1044	02000	R317		Carbon chip 470 ohm 1/10W	C200047160200
R215FLFR		Carbon chip 100 ohm 1/10W	C200010160200	R336		Carbon chip 4.7 kohm 1/10W	C200047260200
	İ	Carbon chip 10 kohm 1/10W	C200010360200	R337		Carbon chip 47 kohm 1/10W	C200047360200
R216		Calbot dup to kount in ton	tor E3.EU.E2	R338		Carbon chip 470 ohm 1/10W	C200047160200
R216FLFR		Carbon chip 100 kohm 1/10W	C200010460200	R339		Carbon chip 1 Mohm 1/10W	C200012260200
R217		Carbon chip 15 kohm 1/10W	C200015360200	FI340~348		Carbon chip 680 ohm 1/10W	C200068160200
R217		Calbon Chip 15 Rollin 17 1011	tor E3,EU,E1,E1C,E1H,E1T	R349FL		Carbon chip 56 kohm 1/10W	C200056360200
R217FLFR		Carbon chip 6.2 kohm 1/10W	C200062260200	R350		Carbon chip 470 chm 1/10W	C200047160200
R218		Carbon chip 18 kohm 1/10W	C200018360200	R350FL-		Carbon chip 56 kohm 1/10W	C200056360200
n210		Oarbor orap to abrain miles	for E2	402FL			
R218		Carbon chip 10 kohm 1/10W	C200010360200	R407		Carbon chip 4.7 kohm 1/10W	C200047260200
n210		Oason orap to tour to re-	for E1,E1C,E1H,E1T				for E2,E1,E1C,E1H,E
			, ,				1
R220SW		Carbon chip 8.2 kohm 1/10W	C200082260200	CARACT	ORS GROU		<u> </u>
R221SW		Carbon chip 3.6 kohm 1/10W	C200036260200		963 0061 504	Electrolytic 8200µF/5.5V	D040822080010
R222SW	,	Carbon chip 8.2 kohm 1/10W	C200082260200	BC201	963 0061 504	Electrolytic ozoopti 75.5 v	
R223,224		Carbon chip 10 kohm 1/10W	C200010360200	C201		Electrolytic 100µF/10V	D040101082060
			for E2	C201S		Ceramic 0.01µF/16V	D005103773530
R223,224		Carbon chip 100 kohm 1/10W	C200010460200	C201S C202,203		Ceramic chip 0.01µF/50V	D011103777200
			tor E3,EU,E1,E1C,E1H,E1T	C202,203		Electrolytic 4.7µF/50V	D0404R7087100
R223SW		Carbon chip 100 ohm 1/10W	C200010160200	C205		Ceramic chip 0.1µF/50V	D011104777200
R224SW		Carbon chip 100 kohm 1/10W	C200010460200	11 ~~~	ł	Contains on provide	for E3,EU
R225		Carbon chip 2.2 Mohm 1/10W	C200022560200	C206		Electrolytic 47µF/16V	D040470083080
			tor E2	""	1	,	for E2
R229,230	244 2051 961	Metal film 100 ohm 1W	C060010165060	C207		Ceramic 0.01µF/16V	D005103773530
R237		Carbon chip 1 kohm 1/10W	C200010260200	[]	1		for E2
R239C,FL,		Carbon chip 100 kohm 1/10W	C200010460200	C208		Ceramic 270pF/50V	D005271277520
FR.SLSR,SW				02.00	1	,	for E2
R240C,FL,		Carbon chip 100 ohm 1/10W	C200010160200	C209	1	Electrolytic 10µF/50V	D040100087050
FR,SL,SR,SW				""	İ		for E2
R241C.FL,		Carbon chip 100 kohm 1/10W	C200010460200	C210		Ceramic chip 0.01µF/50V	D011103777200
FR,SL,SR,SW	· l			11 ***	1		for E2
R242C,FL,		Carbon chip 7.5 kohm 1/10W	C200075260200	C211		Ceramic chip 22pF/50V	D010220167200
FR,SL,SR				"""			for E2
R242SW		Carbon chip 6.8 kohm 1/10W		C211SW		Ceramic chip 100pF/50V	D010101167200
R243C,FL,FR		Carbon chip 10 kohm 1/10W	4	C212		Ceramic chip 22pF/50V	D010220167200
R244C,FL,		Carbon chip 1.3 kohm 1/10W	C200013260200	~~			tor E2
FR.SL,SR				C212SW		Ceramic chip 47pF/50V	D010470167200
	1	Carbon chip 620 ohm 1/10W	1	C213-219	1	Ceramic chip 0.047µF/50V	D011473777200
R244SW				1 72.0-610	1	1	,
R244SW R246C,SL,	1	Carbon chip 100 kohm 1/10	V C200010460200	C213FLF	R I	Ceramic chip 100pF/50V	D010101167200

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	
C219FL,FR,		Electrolytic 10µF/35V	D040100085100	C323		Mylar film 0.1µF/100V	D02010406C060	_
SW,C220		Electrolytic 10µF/35V	D040100085100	C324		Electrolytic 47µF/25V	D040470084070	
C221FL,FR,		Electrolytic 4.7µF/50V	D0404R7087100	C325,326		Ceramic chip 100pF/50V	D010101167200	
C222SW,				C328		Ceramic chip 0.047µF/50V	D011473777200	1
C223SL,SR				1				
C225,226		Ceramic chip 0.047µF/50V	D011473777200		. DTO ODO!	<u> </u>		Q'ty
C227		Electrolytic 10µF/35V	D040100085100		ARTS GROU		7040000000	-
C228~230		Ceramic chip 100pF/50V	D010101167200	CB201,202	963 0053 800	BEADS INDUCTOR	7610035800020	2
C230C,		Electrolytic 4.7µF/50V	D0404R7087100					١. ا
C231C,SL,				CN301A	960 0197 602	17P FFC connector base	L131520441745	1
SR,SW				CN302	960 0197 806	3P connector cord	L000101030040	1
C231-234		Ceramic chip 100pF/50V	D010101167200	CN301B	960 0197 709	17P FFC connector base	L131520451745	1
C231FLFR		Electrolytic 10µF/35V	D040100085100	CP301	963 0049 102	3P connector cord	L102526803010	1
C232C.FL.		Ceramic chip 56pF/50V	D010560167200	CP401	960 0116 803	12P connector base	L101353361210	1
FR,SW		, ,		CP402	963 0047 104	11P connector base	L101353361110	1
C232SL.SR		Ceramic chip 39pF/50V	D010390167200	CP551	963 0061 106	19P connector base	L101353361910	1
C233C,FL,FR		Ceramic chip 2200pF/50V	D011222777200	CP552	963 0049 403	18P connector base	L101353361810	1
C234C,FL,FR		Ceramic chip 680pF/50V	D010681167200	CP601	963 0048 705	6P connector base	L101353360610	1
C235,235SW		Ceramic chip 100pF/50V	D010101167200	CP701	963 0047 201	16P connector base	L101353361610	1
C236		Electrolytic 1µF/50V	D040010087080	CP702	963 0047 104	11P connector base	L101353361110	1
C237		Electrolytic 0.1µF/50V	D040R10087070	CP801	963 0047 201	16P connector base	L101353361610	1 1
C238		Electrolytic 1µF/50V	D040010087080	CP802	963 0049 403	18P connector base	L101353361810	,
C239		Ceramic chip 0.047µF/50V	D011473777200	CP803	963 0048 705	6P connector base	L101353360610	1
C240		Electrolytic 1µF/50V	D040010087080	CP901	963 0060 806	11P connector base	L101220110000	1
C241		Electrolytic 10µF/35V	D040100085100	1				'
C242		Ceramic chip 1000pF/50V	D010102167200	J324~326		Carbon chip 0 ohm 1/8W	C200000061300	1
C243,244		Ceramic chip 0.047µF/50V	D011473777200	J355		Carbon chip 0 ohm 1/8W	C200000061300	1
C245		Ceramic chip 100pF/50V	D010101167200					١.
C246		Electrolytic 10µF/35V	D040100085100	L301	960 0010 307	Inductor 10µH	D330100700520	1
C246SW		Electrolytic 4.7µF/50V	D0404R7087100	L302	960 0128 008	Inductor 100µH	D330101001020	1
C247		Ceramic chip 100pF/50V	D010101167200	1				
C248		Ceramic chip 1000pF/50V	D010102167200	SW301~322	963 0045 708	Tact switch	G180000270010	22
C249	960 9003 108	Ceramic 0.022µF/25V	D005223594520	1				
C250		Ceramic chip 100pF/50V	D010101167200	VEC301,302	960 0181 207	Rotary encoder	G121162420400	
C251		Electrolytic 22µF/16V	D040220083070				for E3,EU,E2,E1	1
				VEC301,302	212 0422 003	Rotary encoder	for E1,E1C,E1H	2
C301~304		Ceramic chip 0.01µF/50V	D011103777200	Į.	,			١.
C305~308		Ceramic chip 100pF/50V	D010101167200	X201	960 0181 003	Resonator CST12.0MTW-TF01	ı	
C309		Ceramic chip 0.022µF/50V	D011223777200	X202	960 0091 805	Crystal 4.332MHz	E8004R332005	1 1
C310		Ceramic chip 100pF/50V	D010101167200	ı			for E2	1
C311		Ceramic chip 30pF/50V	D010300167200					١.
C312		Ceramic chip 0.047µF/50V	D011473777200	_	960 0184 408	FLT holder	4320200026000	1
C313		Mylar film 0.01µF/100V	D02010306C060	-	960 0180 509	1	K530164200010	
C314	963 0021 900	Mylar film 0.047µF/100V	D02047306C060	<u> </u>	-	Earth wire	L046221014580	1
C315		Electrolytic 1µF/50V	D040010087080				i	1
C316		Electrolytic 10µF/50V	D040100087050	1		1		1
C317		Electrolytic 47µF/10V	D040470082050				1	
C318	963 0021 900		D02047306C060	il				1
C319		Electrolytic 10µF/35V	D040100085100	11	1		1	
C320		Electrolytic 1µF/50V	D040010087080					
C321	963 0021 900	1	D02047306C060					
C322		Electrolytic 33µF/50V	D040330087060					
				l L	1		<u> </u>	Ш.

CNT P.W.B. UNIT

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS	GROUP		DECICT	DE GEOUE	<u> </u>	1
IC401	963 0043 700	IC LC72131	J120721310030	R401		Carbon chip 10 ohm 1/10W	C200010060200
IC402	963 0043 904	IC LA1266	J124126600010	R403		Carbon chip 470 ohm 1/10W	C200047160200
IC403	963 0044 000	IC LA3401	J124340100010	R404	İ	Carbon chip 100 kohm 1/10W	C200010460200
				R405	960 9003 807	Metal film 100 ohm 1/4W	C060010163050
IC551	960 0174 502	IC NJM2068DD	J121206800000	R406		Carbon chip 4.7 kohm 1/10W	C200047260200
IC552	963 0043 506	IC TC9184AP	J080918400010	B407		Carbon chip 470 ohm 1/10W	C200047160200
				R408		Carbon chip 1 Mohm 1/10W	C200017180200 C200012260200
IC601	960 0175 200	IC BA7625	J171762500000	11		Caldor Cinp Moint 1/1011	1
IC602	1	IC PC74HC4094	J040744094020	R408		Carbon chip 680 ohm 1/10W	for E3,EU,E1,E1C,E1H,E1
IC651,652	960 0175 200	IC BA7625	J171762500000	'''''		Casbon Cinp 660 Oran 1/1014	C200068160200
IC653	963 0057 806	IC KIA78R05PI	J126780500370	R409		Carbon abin 470 ab - 4/40114	for E2
		10 12 11 01 1001 1	512070000070	R411		Carbon chip 470 ohm 1/10W	C200047160200
Q401	960 0189 102	Transistor KTC3880S-O	J522388000210	R412		Carbon chip 68 kohm 1/10W	C200068360200
Q402-404	269 0083 901	Transistor DTA114EK	J5200114E0210	R413		Carbon chip 5.6 kohm 1/10W	C200056260200
Q405,406		Transistor KTC2874B	J502287400010	R414		Metal film 220 ohrn 1/4W	C060022163050
Q407	963 0024 208	Transistor DTC114YK	J5220114Y0210			Carbon chip 2.2 kohm 1/10W	C200022260200
Q408	269 0083 901	Transistor DTA114EK	1	R415		Carbon chip 1 kohm 1/10W	C200010260200
Q409	960 0189 102	Transistor KTC3880S-O	J5200114E0210	R416		Metal film 680 ohm 1/4W	C060068163050
C +03	300 0 103 102	TRAINSIGN KTC-38605-C	J522388000210	R417		Carbon chip 1 kohm 1/10W	C200010260200
			for E2	R418		Carbon chip 33 kohm 1/10W	C200033360200
Q551	960 0196 700	Tanasiatas (CTO00000)	1500000000000	R420		Carbon chip 3.3 kohm 1/10W	C200033260200
Q551SW,		Transistor KTC3200BL	J5023200B0050	R423		Carbon chip 22 kohm 1/10W	C200022360200
552SW	960 0196 603	Transistor KTC2874B	J502287400010	R424		Carbon chip 4.7 kohm 1/10W	C200047260200
1	000 0400 000	T		R426,427		Carbon chip 10 kohm 1/10W	C200010360200
Q552	960 0196 302	Transistor KTA1268BL	J5001268B0050	R428		Carbon chip 3.3 kohm 1/10W	C200033260200
Q553~555	269 0046 906	Transistor DTA114ES	J6000114E0010	R429		Carbon chip 82 ohm 1/10W	C200082060200
Q553T	960 0196 904	Transistor DTC114Y\$ (NPN)	J6020114Y0050	R430	960 9003 807	Metal film 100 ohm 1/4W	C060010163050
				R431		Carbon chip 5.1 kohm 1/10W	C200051260200
Q601-603	960 0005 105	Transistor KTA1266Y	J5001266Y0050	R432		Carbon chip 10 kohm 1/10W	C200010360200
Q651~656	960 0005 105	Transistor KTA1266Y	J5001266Y0050	R434	960 9003 807	Metal film 100 ohm 1/4W	C060010163050
				R435		Carbon chip 3.3 kohm 1/10W	C200033260200
D403	960 0197 000	Diode KDS160	K005016000010	R437		Carbon chip 100 kohm 1/10W	C200010460200
D404	963 0020 309	Diode 1SS133T	K000013300520	R438,439		Carbon chip 100 kohm 1/10W	C200010460200
D405,406	960 0197 000	Diode KDS160	K005016000010	11			for E3,EU,E1,E1C,E1H,E1T
				R438,439		Carbon chip 180 kohm 1/10W	C200018460200
	963 0020 309	Diode 1SS133T	K000013300520				for E2
552				R440,441		Carbon chip 120 kohm 1/10W	C200012460200
D552T	963 0058 601	Zener diode MTZJ12B	K06012R044520	11			for E3,EU.E1,E1C,E1H,E1T
D553-561	963 0020 309	Diode 1SS133T	K000013300520	R440,441		Carbon chip 220 kohm 1/10W	C200022460200
D562	960 0117 608	Diode 1N4004A	K040400400520				for E2
D564	960 0095 607	Zener diode MTZJ5.6B	K06005R644520	R442,443		Carbon chip 3.3 kohm 1/10W	C200033260200
D565	963 0020 309	Diode 1SS133T	K000013300520	R444,445		Carbon chip 8.2 kohm 1/10W	C200082260200
1						•	tor E3.EU.E1,E1C,E1H,E1T
D601~606	960 0197 000	Diode KDS160	K005016000010	R448		Carbon chip 2.2 kohm 1/10W	C200022260200
D651-656	960 0197 000	Diode KDS160	K005016000010	R449		Carbon chip 3.9 kohm 1/10W	C200039260200
D652T	963 0061 601	Electrolytic 3300µF/10V	D040332082020	11			for E2
D657,658	960 0117 608	Diode 1N4004A	K040400400520	R450		Carbon chip 1 kohm 1/10W	C200010260200
				11			for E2
D901,902	960 0197 000	Diode KDS160	K005016000010	R455		Carbon chip 330 ohm 1/10W	C200033160200
				R456		Carbon chip 100 ohm 1/10W	C200010160200
		Zener diode MTZJ5.1B	K06005R144520	R458,459	İ	Carbon chip 4.7 kohm 1/10W	C200017160200
ZD401	960 0095 500	Zener Glode M1ZJ5.1B					

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name
R462~465		Carbon chip 470 ohm 1/10W	C200047160200	R683		Carbon chip 75 ohm 1/10W
R467,468	963 9003 071	Carbon chip 2.7 Mohm 1/10W	C200027560200		1	
R470		Carbon chip 1 kohm 1/10W	C200010260200	R901,902		Carbon chip 200 kohm 1/10W
R471VT		Carbon chip 220 ohm 1/10W	C200022160200	R903,904		Carbon chip 100 ohm 1/10W
R472		Carbon chip 100 ohm 1/10W	C200010160200	R903H,904H		Metal film 470ohm 2W
R473		Carbon chip 180 ohm 1/10W	C200018160200	R905,906		Carbon chip 200 kohm 1/10W
			for E2	R907,908		Carbon chip 100 ohm 1/10W
R473		Carbon chip 0 ohm 1/10W	C200000060200	R909,910		Carbon chip 200 kohm 1/10W
			for E3,EU,E1,E1C,E1H,E1T	R911,912		Carbon chip 100 ohm 1/10W
R475		Carbon chip 12 kohm 1/10W	C200012360200	R913~916		Carbon chip 220 ohm 1/10W
R476		Carbon chip 56 kohm 1/10W	C200056360200	R917~920		Carbon chip 100 kohm 1/10W
R478		Carbon chip 10 kohm 1/10W	C200010360200	1		
R479		Carbon chip 100 kohm 1/10W	C200010460200	VR401	960 0096 305	Semi fixed resistor 10kohm
		,		VR402	960 0096 402	Semi fixed resistor 100kohm
R551SW.		Carbon chip 470 ohm 1/10W	C200047160200	1		
552SW				VR402	963 0056 205	Semi fixed resistor 50kohm
R553FL ,FR		Carbon chip 100 kohm 1/10W	C200010460200	1		
R553SW		Carbon chip 22 kohm 1/10W	C200022360200	VR403	963 0052 005	Semi fixed resistor 200kohm
R553T		Carbon chip 1 kohm 1/10W	C200010260200	1		
R554SW		Carbon chip 10 kohm 1/10W	C200010360200			
R554T	244 2052 928	Metal film 47 ohm 1W	C060047065060		ORS GROU	
R558FLFR	L44 2002 020	Carbon chip 4.7 kohm 1/10W	C200047260200	C401,402		Ceramic chip 1000pF/50V
R559	960 9005 902	Metal film 1.2 kohm 1/4W	C060012263050	C403		Ceramic chip 0.022µF/50V
R559FL,FR	300 3003 302	Carbon chip 22 kohm 1/10W	C200022360200	C404		Ceramic 2pF/50V
R560FLFR		Carbon chip 510 kohm 1/10W	C200051460200	C405		Ceramic chip 0.022µF/50V
R561FL,FR		Carbon chip 33 kohm 1/10W	C200033360200	C406		Ceramic chip 18pF/50V
R563FLFR		Carbon chip 390 ohm 1/10W	C200039160200	C408		Ceramic 6pF/50V
R564FLFR		Carbon chip 470 ohm 1/10W	C200047160200	C409		Ceramic 100pF/50V
R565	960 9005 902	Metal film 1.2 kohm 1/4W	C060012263050	C410		Ceramic 470pF/50V
R567FLFR	900 9005 902	Carbon chip 470 kohm 1/10W	C200047460200	C411		Ceramic chip 1000pF/50V
R569		Carbon chip 68 ohm 1/10W	C200068060200	C412		Ceramic chip 0.022µF/50V
R570	960 9005 902	Metal film 1.2 kohm 1/4W	C060012263050	C413	ļ	Ceramic chip 100pF/50V
H\$/U	900 9005 902	MCLE HIT 1.2 KONG 1/444		C414		Electrolytic 2.2µF/50V
Dora ere		Carbon chip 75 ohm 1/10W	C200075060200	C415		Electrolytic 47µF/25V
R651~658		,	C060001063050	C416		Electrolytic 10µF/35V
R651T,652T	963 9003 039	Metal film 1 ohm 1/4W	C200010360200	C417		Electrolytic 100µF/16V
R660	044 0054 004	Carbon chip 10 kohm 1/10W	C060010165060	C418		Ceramic chip 0.01µF/50V
R661	244 2051 961	Metal film 100 ohm 1W	1 1	C419		Electrolytic 10µF/35V
R662		Carbon chip 68 ohm 1/10W	C200068060200	C420,421		Ceramic chip 22pF/50V
R663		Carbon chip 10 kohm 1/10W	C200010360200	C422		Ceramic chip 470pF/50V
R664	244 2051 961	Metal film 100 ohm 1W	C060010165060	C423,424	1	Ceramic chip 0.022µF/50V
R665		Carbon chip 68 ohm 1/10W	C200068060200	C425		Electrolytic 4.7µF/50V
R666		Carbon chip 10 kohm 1/10W	C200010360200	C426	1	Electrolytic 3.3µF/50V
R667	244 2051 961	Metal film 100 ohm 1W	C060010165060	C427		Electrolytic 4.7µF/50V
R671		Carbon chip 68 ohm 1/10W	C200068060200	C428		Ceramic chip 0.022µF/50V
R672	į	Carbon chip 10 kohm 1/10W	C200010360200	C430	963 0021 900	Mylar film 0.047µF/100V
R673	244 2051 961	Metal film 100 ohm 1W	C060010165060	C431		Ceramic chip 33pF/50V
R674		Carbon chip 68 ohm 1/10W	C200068060200	C432		Electrolytic 47µF/25V
R675		Carbon chip 10 kohm 1/10W	C200010360200	C433		Ceramic chip 0.022µF/50V
R676	244 2051 961	Metal film 100 ohm 1W	C060010165060	C434	1	Electrolytic 1µF/50V
R677		Carbon chip 68 ohm 1/10W	C200068060200			
-	l .	Carbon chip 10 kohm 1/10W	C200010360200	1		
R678 R679	244 2051 961	Metal film 100 ohm 1W	C060010165060	C434	L.	Electrolytic 0.33µF/50V

Ref. No.	Part No.	Part Name	Remarks
C435,436		Ceramic chip 0.022µF/50V	D011223777200
C437		Electrolytic 47µF/25V	D040470084070
C438		Electrolytic 1µF/50V	D040010087080
C439	ĺ	Electrolytic 0.22µF/50V	D040R22087100
C440,441		Electrolytic 1µF/50V	D040010087080
C442		Electrolytic 2.2µF/50V	D0402R2087100
C443		Electrolytic 10µF/35V	D040100085100
C444		Electrolytic 4.7µF/50V	D0404R7087100
C445		Electrolytic 10µF/35V	D040100085100
C446,447		Ceramic 270pF/50V	D004271067060
		,	for E3,EU,E2
C446,447		Ceramic 180pF/50V	D000181067060
			for E1,E1C,E1H,E1T
C448,449		Ceramic 470pF/50V	D004471067060
		•	for E3,EU
C448,449		Ceramic 330pF/50V	D000331167070
			for E1,E1C,E1H,E1T
C450.451		Electrolytic 10µF/35V	D040100085100
C452		Electrolytic 100µF/16V	D040101083100
C453		Ceramic chip 27pF/50V	D010270167200
0.00			for E2.E1,E1C,E1H,E1T
C455		Ceramic chip 0.022uF/50V	D011223777200
1		Solution Step Stocker	for E1,E1H,E1T
C456		Ceramic chip 680pF/50V	D010681167200
C457~480	ļ	Ceramic chip 100pF/50V	D010101167200
C461		Ceramic chip 22pF/50V	D010220167200
C462		Ceramic chip 470pF/50V	D010471167200
1			for E2
C463	ł	Mylar film 0.056µF/100V	D02056306C060
C464		Ceramic 3pF/50V	D000030007050
C471VT	1	Electrolytic 1µF/50V	D040010087080
C472VT		Ceramic chip 0.047µF/50V	D011473777200
C551		Electrolytic 2.2µF/50V	D0402R2087250
C551M		Electrolytic 100µF/35V	D040101085100
C551S		Ceramic 0.047µF/50V	D005473597520
C551T,552	ł	Electrolytic 100µF/16V	D040101083100
C552		Electrolytic 0.1µF/50V	D040R10087070
C552FL,FR		Electrolytic 10µF/35V	D040100085100
C553		Electrolytic 0.1µF/50V	D040R10087070
C553FL,FR		Ceramic chip 100pF/50V	D010101167200
C553T,554	t	Ceramic chip 0.1µF/50V	D011104777200
C554	1	Electrolytic 0.1µF/50V	D040R10087070
C554FL,FR		Electrolytic 10µF/35V	D040100085100
C555		Ceramic 0.01µF/16V	D005103773530
C555FL.FR		Ceramic chip 47pF/50V	D010470167200
C556		Ceramic 0.01µF/16V	D005103773530
C556FLFR		Electrolytic 10µF/35V	D040100085100
C557		Electrolytic 10µF/35V	D040100085100
C557FLFF	,	Mylar film 0.01 µF/100V	D02010306C060
C558FL,FF	i	Mytar film 0.056µF/100V	D02056306C060
C559FLFF		Mylar film 0.022µF/100V	D02022306C060
COOST-LIFE	' [mysei imii o.uzzpi / 1004	20000000

Remarks

C200075060200

C200020460200

C200010160200

C060047166520

C200020460200

C200010160200

C200020460200

C200010160200

C200022160200

C200010460200

C541103115000

C541104115000

C541503115000

C541204115000

D011102777200

D011223777200

D000020007050

D011223777200

D010180167200

D000060007050

D005101177520

D005471277520

D011102777200

D011223777200

D010101167200

D0402R2087100 D040470084070

D040100085100

D040101083100

D011103777200

D040100085100

D010220167200

D010471167200

D011223777200

D0404R7087100

D0403R3087100

D0404R7087100

D011223777200

D02047306C060

D010330167200

D040470084070

D011223777200

D040010087080

D040R33087100

for E2,E1,E1C,E1H,E1T

for E3,EU

for E3.EU.E1.E1C.E1H.E1T

for E2

٦	Ref. No.	Part No.	Part Name	Remarks	
٦	C560FL,FR		Mylar film 0.0033µF/100V	D02033206C060	
- 1	C561FL,		Mytar film 0.0068µF/100V	D02068206C060	- 1
- 1	562FR				- 1
- 1	1 1				ŀ
- [C601-604		Electrolytic 4.7µF/50V	D0404R7087100	ŀ
- 1	C605		Electrolytic 470µF/6.3V	D040471081060	
1	C606,607		Electrolytic 10µF/16V	D040100083100	ı
-1	C608,609		Electrolytic 470µF/6.3V	D040471081060	١
- 1	C610		Electrolytic 10µF/16V	D040100083100	- 1
- 1	C611		Electrolytic 100µF/10V	D040101082060	1
١	C612		Electrolytic 100µF/16V	D040101083100	- 1
١	C613		Electrolytic 1µF/50V	D040010087080	ı
П	C614		Ceramic chip 0.047µF/50V	D011473777200	ĺ
1	C651-658		Electrolytic 4.7µF/50V	D0404R7087100	- 1
١	C651T	963 0021 900	Mylar film 0.047µF/100V	D02047306C060	- 1
1	C653T		Electrolytic 1µF/50V	D040010087080	1
П	C659		Electrolytic 470µF/6.3V	D040471081060	- 1
J	C660		Electrolytic 10µF/16V	D040100083100	-1
	C661		Electrolytic 470µF/6.3V	D040471081060	- 1
	C662		Electrolytic 10µF/16V	D040100083100	- [
Т	C663		Electrolytic 470µF/6.3V	D040471081060	ı
	C664		Electrolytic 10µF/16V	D040100083100	- 1
	C665		Electrolytic 100µF/10V	D040101082060	-
-	C666		Electrolytic 470µF/6.3V	D040471081060	١
1	C667		Electrolytic 10µF/16V	D040100083100	- 1
1	C668		Electrolytic 470µF/6.3V	D040471081060	ı
1	C669		Electrolytic 10µF/16V	D040100083100	- 1
	C670		Electrolytic 470µF/6.3V	D040471081060	Į
	C671		Electrolytic 10µF/16V	D0401000B3100	ı
	C672	·	Electrolytic 100µF/10V	D040101082060	
	C673,674		Electrolytic 1µF/50V	D040010087080	ı
	C675		Electrolytic 100µF/16V	D040101083100	
	C676,677		Ceramic chip 0.047µF/50V	D011473777200	Ì
	C681~683		Ceramic 100pF/50V	D005101177520	
	C901~906		Ceramic chip 220pF/50V	D010221167200	
	C901H,902H		Ceramic 0.001µF/50V	D005102177530	
	C903H		Electrolytic 1µF/50V	D040010087080	
	C904H	960 9003 108		D005223594520	
	C907-910		Ceramic chip 100pF/50V	D010101167200	
	C911		Ceramic 0.01µF/50V	D004103097060	
	l I				
	OTHER P	ARTS GROU	JP		Qʻty
	CF401,402	960 0187 104	Ceramic filter SFE10.7MA8	E430107000140	2
	11			for E3,EU	
	CF401,402	960 0177 509	Ceramic filter SFE10.7MS3GF	1	2
	[]	1		for E2,E1,E1C,	
	[]			E1H,E1T	
	CF403	960 0187 609	Ceramic resonator	E830450000070	1
	11		1		١.
	CN105	963 0059 105	2P connector base	L000121020040	1

for E2

Ref. No.	Part No.	Part Name	Remarks	Qʻty	Ref. No.	Part No.	Part Name	Remarks	Qʻty
CN392	960 0198 009	2P connector cord	L000800020040	1	J654		Carbon chip 0 ohm 1/10W	C200000060200	1
			for E3,EU					for E2,E1,E1C,	
CN401	960 0117 103	12P connector base	L101352371210	1]			E1H,E1T	
CN401E	963 0059 008	7P connector socket	L000101080050	1	J655		Carbon chip 0 ohm 1/8W	C200000061300	1
CN402	963 0046 600	11P connector base	L101352371110	1	1			for E2,E1,E1C,	
CN551	963 0061 009	19P connector base	L101352371910	1	: [E1H,E1T	
CN552	963 0050 609	18P connector base	L101352371810	1	. [
CN553	963 0049 801	20P connector base	L101352372010	1	L401	963 0052 102	Inductor 1µH	D3301R0001020	1
CN554	963 0059 804	15P connector cord	L000800150010	1	L402	960 0010 307	Inductor 10µH	D330100700520	1
CN601	963 0050 308	6P connector socket	L101352370610	1	L403	963 0056 409	MW IF COIL REWOTVB-K5025 BLK	D950500500010	1
CN602	963 0059 503	7P connector cord	L000181070020	1					
O. 400E	500 0000 500		for E3.EU		RELAYS51	963 0052 607	Relay (G5V-2 DC12V)	G680120202010	1
CN602	963 0059 406	7P connector cord	L000161070010	1			• • • • • • • • • • • • • • • • • • • •		1
CINOUZ	300 0003 400	71 GARIAGUA GOIG	for E2.E1.E1C.	Ė	SW391-398	963 0045 708	Tact switch	G180000270010	8
			E1H,E1T		SW401		SLIDE SW	G060110100010	1
CN901	960 0197 301	3P connector cord	L352103263300	1	•			for E1.E1H.E1T	
CN902	963 0059 600		L000281110010	1	SW901	963 0056 603	Push switch	G000040890000	1
CNSUZ	363 0035 000	TIF CONNECTOR COIG	LOCOLUTTIONIO		0.130.	333 3333 333		for E2,E1,E1C,	
CP302	963 0049 908	3P connector base	L101220030010	,				E1H.E1T	
	963 0049 908	3P connector base	L101220030000	;					
CP392	363 0048 909	SP CONNECTOR Dase	for E3.EU	'	T401	960 0186 600	MW IF COIL PCFMAF-270	D950500200000	1
	000 0050 707	20	L000351020040	,	T402	960 0007 349	FM DET TRANS	D951561100000	Ł
CP392	963 0059 707	2P connector base	for E2,E1,E1C,	'	T402		FM DET TRANS	D951561200000	1
					T404,405	960 0071 207	MPX filter	E401500100000	1
		l <u> </u>	E1H,E1T	1	1404,405	900 0071 207	MITA INUS	for E2	-
CP602	963 0060 602	7P connector base	L101220070010		T406	960 0037 607	antibirdie filter	E403126832410	,
CP603	960 0123 207	3P connector base	L102526700300	1	1406	900 0037 007	anuoucue inter	for E2	'
FE401	960 0187 706	Front end	E900401010020	1	il			IOI EZ	
		_		. 1	l I	000 0407 405	O	E8007R2000071	١.
G901	-	1P wire	8410800010010	1	X401	960 0187 405	Crystal 7.2 MHz	1	t
			1		X402	963 0043 302	Resonator CSB456F11	E830456000050	1'
H/SINK	_	Heat sink	2120210238000	1	11			4010210196000	2
			for E2,E1,E1C,		-	960 0184 000	Screw bracket	1	1
			E1H,E1T		-	963 0054 003	Shield tuner pack	3070210056000	1
					-	960 0184 602	Plaate	4470210146000	1
J402		Carbon chip 0 ohm 1/8W	C200000061300	1	-		1P wire	8410800010030	
			for EU,E2,E1,				3P antenna terminal	G593021068010	1
			E1C,E1H,E1T	-	-	960 0188 200	4P pin jack	G602040610000	1
J403,404		Carbon chip 0 ohm 1/8W	C200000061300	2	-	963 0061 708	Plaate	4470210196000	1
			for E3	1		963 0057 000	1	G60001000303	1
J405~408		Carbon chip 0 ohm 1/8W	C200000061300	4	11	960 0188 404	3P pin jack	G60603016402	
			for EU,E2,E1,		-	963 0018 007	Screw (2S 3x8 ZNY/BH)	B020030081B1	0 1
			E1C,E1H,E1T		11			for E2,E1,E1C,	
J551~556		Carbon chip 0 ohm 1/8W	C200000061300	6	11			E1H,E1T	
			for E3,EU		11 –	960 0181 304		G40204219000	
J583,584		Carbon chip 0 ohm 1/8W	C200000061300	2	-	960 0181 401	4P S terminal	G40304001001	- 1
J585,586	1	Carbon chip 0 ohm 1/10W	C200000060200	2	I I –	960 0188 307	6P pin jack	G60306061001	•
J587		Carbon chip 0 ohm 1/8W	C200000061300	1	11 -	960 0143 203	AC outlet	G43504011000	
			for E1,E1C,E1H,E1T	1	11		1	for E2,E1,E1H,E17	
J651~653		Carbon chip 0 ohm 1/8W	C200000061300	3	11 —	960 0176 209	Push switch	G00012200001	0 1
		,	for E2,E1,E1C,		11			for E3,EU	
		1	E1H,E1T		11 -	960 0187 502	Head phone jack(D6.5)	G40203840003	31 1
			1	1	11 _	960 0188 200		G60204061000	00
ı	1		1	ı	11		1	1	1

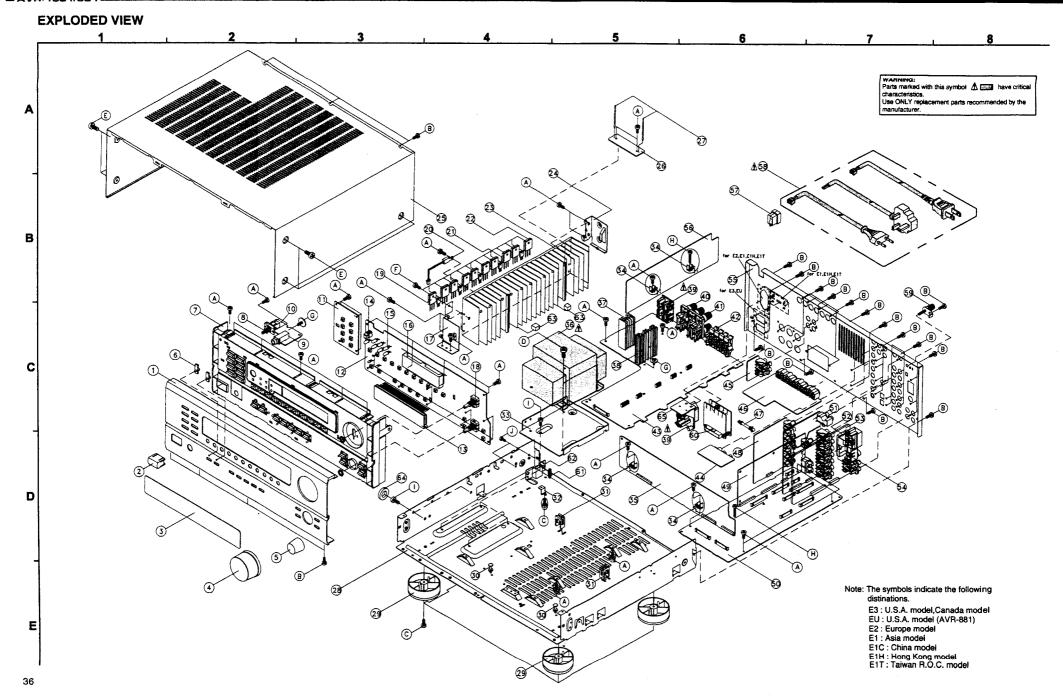
DDE_AMD DWR HAIT

Ref. No.	Part No.	Best Name	B		7		.B. UNIT		1
		Part Name	Remark	8	1	Ref. No.	Part No.	Part Name	Remarks
	NDUCTORS				4	SEMICO	NDUCTORS	GROUP	
Q501C,FL,	960 0196 603	Transistor KTC2874B	J502287400010)	1	IC803	963 0023 500	IC MC74HCU04AD	J040740400200
FR,M,SL,					ı	IC805,806	963 0043 807	IC BA4510F	J121451000010
Q501SR,					ı	IC807	960 0195 002	IC W27C020	J000270200010
Q502M,503M	i		-		Н	IC807S	963 0025 508	32P IC socket	G450320000010
Q502C,FL,	960 0196 205	Transistor KSA992F	J5000992F0050)	ı	iC808,809	960 0179 206	IC DC74HCT574	J040745740040
FR,SL,SR					П	IC810	960 0195 507	IC LC89055W	J046890550010
Q503C,FL,					П	IC811	960 0195 905	IC BA033FP	J12603R300020
FR,SL,SR					ı	IC812	960 0195 701	IC CS492604	J080492604010
Q504C,FL,	960 0196 506	Transistor KSC1845F	J5021845F0000	•	П	IC813	960 0195 604	IC AK4527VQ	J080452700010
fr,sl,sr			1		Н	IC814~816	960 0174 502	IC NJM2068DD	J121206800020
					H	IC821	960 0195 206	IC TC74HC125D	J040741250130
DECICTO	RS GROUP				11	IC822	960 0195 109	IC SN74LV00APW	J040740000170
Q509C.FL			72		11	iC828	963 0043 409	IC DC74HCT244	J040742440080
	960 9005 902	Metal film 1.2 kohm 1/4W	C060012263050)	Н	IC829	960 0196 001	IC NJM7805FA (S)	J126780500130
FR,SL,SR	000 0004 004	14-4-1 El 47 -b 4/4/**				IC830	963 0043 409	IC DC74HCT244	J040742440080
Q511C,FL,	960 9004 301	Metal film 47 ohm 1/4W	C060047063050	,		IC831	960 0195 303	IC SN74LV4040	J040744040020
FR,SL,SA					П				
					Н	Q804C,FL,	960 0196 603	Transistor KTC2874B	J502287400010
CAPACIT	ORS GROU				11	FR,SL,SR,SW			
C501C,FL,		Electrolytic 22µF/16V	D040220083070)	11	Q805	269 0083 901	Transistor DTA114EK	J5200114E0210
FR.SL.SR					П	Q806	269 0082 902	Transistor DTC114EK	J5220114E0210
C501M,502C.		Electrolytic 10µF/35V	D040100085100	,	Н	Q807	269 0083 901	Transistor DTA114EK	J5200114E0210
FL,FR,SL,SR			3510100000100		Н				
C503C,FL,	963 9003 165	Ceramic 220pF/500V	D009092212500	,	П	D801.	960 0197 000	Diode KDS160	K005016000010
FR.SL.SR			00000022.2000		П	805-807			
C504C,FL,	963 9003 178	Ceramic 220pF/50V	D005221277520		П	510 550			
FR,SL,SR	000 0000 110	Octavno Zzapi 1004	DOOSETETTSEO	,	П				ļ
C505C,FL,	963 9003 181	Ceramic 33pF/500V	D00033006D050	,	П		RS GROUP		
FR,SL,SR	000 0000 101	Column Sopi 1500 V	5000000000	•	П	J824,828		Carbon chip 0 ohm 1/10W	C200000060200
C506C,FL.		Electrolytic 100µF/10V	D040101082060	ı	H				
FR,SL,SR		Elocatory at 100 pt 710 v	5040101002000		П	R801		Carbon chip 4.7 kohm 1/10W	C200047260200
C507C,FL,	963 9003 194	Mylar film 0.0022µF/100V	D02022206C060	,	П	R817-825		Carbon chip 10 kohm 1/10W	C200010360200
FR,SL,SR	500 5000 134	wysar min o.oozzaar / 100 v	002022200000	•	П	R829		Carbon chip 0 ohm 1/10W	C200000060200
C514FLFR		Electrolytic 10µF/35V	D040100085100	i	Н	R830,831		Carbon chip 10 kohm 1/10W	C200010360200
		Electroniae Tops Top V	5040100005100		H	R834,835		Carbon chip 4.7 kohm 1/10W	C200047260200
					11	R836		Carbon chip 10 kohm 1/10W	C200010360200
OTHER P.	ARTS GROU	IP		Q'ty	П	R837		Carbon chip 47 ohm 1/10W	C200047060200
CN501	963 0046 406	9P connector base	L101352370910	1	11	R838		Carbon chip 10 kohm 1/10W	C200010360200
CN502~504	963 0050 201	5P connector base	L101352370510	3	Н	R839,842		Carbon chip 4.7 kohm 1/10W	C200047260200
CN505	963 0050 308	6P connector base	L101352370610	1	Ш	R848		Carbon chip 100 ohm 1/10W	C200010160200
					Ш	R850		Carbon chip 75 ohm 1/10W	C200075060200
CP506	963 0060 709	8P connector base	L101220080000	1	П	R854		Carbon chip 2.2 kohm 1/10W	C200022260200
CP554	963 0060 903	15P connector base	L101220150000	1	П	R854L,R		Carbon chip 47 kohm 1/10W	C200047360200
			1		П	R855		Carbon chip 100 kohm 1/10W	C200010460200
_	960 0184 000	Screw bracket	4010210196000	2	П	R856		Carbon chip 10 kohm 1/10W	C200010360200
				1	П	R858,859		Carbon chip 0 ohm 1/10W	C200000060200
					H	R859R		Carbon chip 4.7 kohm 1/10W	C200047260200
			1		П	R860LR			
				1	Ш	R861		Carbon chip 47 ohm 1/10W	C200047060200
				1	П	R861L,R		Carbon chip 470 ohm 1/10W	C200047160200
						R862,863		Carbon chip 0 ohm 1/10W	C200000060200
	1		1	1	П	R862L,R	l	Carbon chip 4.7 kohm 1/10W	C200047260200
			1	1	П	D0000 D	1	'	00000 1700000

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R863L,R		Carbon chip 470 ohm 1/10W	C200047160200	C817		Electrolytic 0.1µF/50V	D040R10087070
R864C,FL		Carbon chip 100 kohm 1/10W	C200010460200	C818		Ceramic chip 0.1µF/50V	D011104597200
FR,SL,SR,SW		·		C820		Electrolytic 47µF/10V	D040470082050
R866		Carbon chip 10 kohm 1/10W	C200010360200	C821		Electrolytic 1000µF/6.3V	D040102081060
R866C,FL,		Carbon chip 4.7 kohm 1/10W	C200047260200	C822,823		Ceramic chip 0.1µF/50V	D011104597200
FR.SL,SR,SW				C824		Electrolytic 100µF/10V	D040101082060
R867		Carbon chip 100 kohm 1/10W	C200010460200	C825		Electrolytic 1µF/50V	D040010087050
R867C,FL,		Carbon chip 4.7 kohm 1/10W	C200047260200	C826		Electrolytic 10µF/35V	D040100085050
FR,SL,SR,SW		·		C827		Ceramic chip 0.1µF/50V	D011104597200
R868C,FL				C828		Ceramic chip 0.01µF/50V	D011103777200
FR,SL,SR,SW				C829		Electrolytic 10µF/35V	D040100085050
R869C.FL.				C830,832		Ceramic chip 0.1µF/50V	D011104597200
FR.SL.SR.SW				C836	•	Electrolytic 220µF/6.3V	D040221081050
R870C.FL		Carbon chip 1 kohm 1/10W	C200010260200	C837,838		Ceramic chip 0.1µF/50V	D011104597200
FR,SL,SR,SW		,		C839		Ceramic chip 0.22µF/50V	D011224597200
R871C.FL		Carbon chip 100 kohm 1/10W	C200010460200	C840		Electrolytic 2.2µF/50V	D0402R2087250
FR,SL,SR,SW				C841		Electrolytic 47µF/10V	D040470082050
R872C,FL		Carbon chip 2.2 kohm 1/10W	C200022260200	C842		Ceramic chip 0.1µF/50V	D011104597200
FR,SL,SR,SW		,		C843		Electrolytic 100µF/10V	D040101082060
R880.881		Carbon chip 47 ohm 1/10W	C200047060200	C844		Ceramic chip 0.1µF/50V	D011104597200
R895		Carbon chip 100 kohm 1/10W	C200010460200	C854,855		Electrolytic 100µF/25V	D040101084060
1				C856-863		Ceramic chip 0.1µF/50V	D011104597200
R911		Carbon chip 10 kohm 1/10W	C200010360200	C864LR		Electrolytic 10µF/35V	D040100085050
R913		Carbon chip 1 Mohm 1/10W	C200010560200	C865L.R		Ceramic chip 100pF/50V	D010101167200
R922		Carbon chip 4.7 kohm 1/10W	C200047260200	C869LR		Ceramic chip 100pF/50V	D010101167200
R923		Carbon chip 6.2 kohm 1/10W	C200062260200	C871L,R		Ceramic chip 1000pF/50V	D011102777200
R927		Carbon chip 75 ohm 1/10W	C200075060200	C873C,FL,		Ceramic chip 680pF/50V	D010681167200
R928		Carbon chip 5.1 kohm 1/10W	C200051260200	FR.SL.SR.SW			
R929		Carbon chip 8.2 kohm 1/10W	C200082260200	C874C,FL,			
R930		Carbon chip 3 kohrn 1/10W	C200030260200	FR.SL.SR.SW			
R931		Carbon chip 6.2 kohm 1/10W	C200062260200	C875C.FL.		Electrolytic 10µF/35V	D040100085050
R931LR		Carbon chip 18 kohm 1/10W	C200018360200	FR,SL,SR,SW			
R932		Carbon chip 4.7 kohm 1/10W	C200047260200	C876C,FL,		Ceramic chip 3300pF/50V	D011332777200
R938		Carbon chip 470 kohm 1/10W	C200047460200	FR,SL,SR,SW		Contained only occopy root	
R940		Carbon chip 10 kohm 1/10W	C200010360200	C878		Electrolytic 100µF/10V	D040101082060
R941		Carbon chip 470 ohm 1/10W	C200047160200	C880C,FL,		Electrolytic 10µF/35V	D040100085050
R942,943		Carbon chip 0 ohm 1/10W	C20000060200	FR.SL.SR.SW		Licensiyae repaired t	40.00.000
R945,946		Carbon chip 0 ohm 1/10W	C200000060200	C894,896		Ceramic chip 0.1µF/50V	D011104597200
R947.948		Carbon chip 0 ohm 1/10W	C200000060200	"""		Column drup on private	
R949		Carbon chip 47 ohm 1/10W	C200047060200	C908,909		Ceramic chip 27pF/50V	D010270167200
R950,951		Carbon chip 0 ohm 1/10W	C200000060200	C916	1	Ceramic chip 0.1µF/50V	D011104597200
R952~954		Carbon chip 100 ohm 1/10W	C200010160200	C917		Electrolytic 10µF/35V	D040100085050
11000-004		Obligation of the Origin (7) Ott	0200070700200	C918		Ceramic chip 0.1µF/50V	D011104597200
		<u> </u>		C919		Ceramic chip 0.01µF/50V	D011103777200
CAPACIT	ORS GROU	P		C920		Ceramic chip 0.1uF/50V	D011104597200
C801		Ceramic chip 0.1µF/50V	D011104597200	C921		Ceramic chip 0.01µF/50V	D011103777200
C802,803		Ceramic chip 22pF/50V	D010220167200	C923,925	1	Ceramic chip 0.1µF/50V	D011104597200
C805		Ceramic chip 22pF/50V	D010220167200	C926	1	Electrolytic 10µF/35V	D040100085050
C808		Ceramic chip 0.1µF/50V	D011104597200	C931,935		Ceramic chip 0.01µF/50V	D011103777200
C809	!	Electrolytic 100µF/10V	D040101082060	C931,935	1	Ceramic chip 0.1µF/50V	D011104597200
C810	1	Ceramic chip 0.1µF/50V	D011104597200	C936	1	Electrolytic 10µF/35V	D040100085050
C811		Electrolytic 47µF/10V	D040470082050	C937		1 '	D040010087050
C816		Ceramic chip 22pF/50V	D010220167200	Ca36		Electrolytic 1µF/50V	2040010007030

VOLTAGE SEL P.W.B. UNIT

					VOLIAG	it SEL F	P.W.B. UNIT		
Ref. No.	Part No.	Part Name	Remark	8	Ref. No.	Part No.	Part Name	Remarks	Q1
C939,940		Ceramic chip 0.01µF/50V	D01110377720	0	OTHER	PARTS GRO			
C943		Electrolytic 0.1 µF/50V	D040R1008707	0	CN105		2 2P connector cord	L000151020040	
C944	1	Ceramic chip 0.01µF/50V	D011103777200)	11	700 0000 200	LI COMMOCION CON	for E1,E1H,E1T	
C945		Ceramic chip 1000pF/50V	D011102777200)	CN903	963 0058 804	2P connector cord	L000101020070	1
C946,947		Ceramic chip 0.1µF/50V	D011104597200)	11	1	ar somector cord	for E1,E1H,E1T	
C948		Electrolytic 10µF/35V	D040100085050)	11			RUFET,ETH,ETT	
C949		Electrolytic 2.2µF/50V	D0402R2087256	0	CP901	963 0061 203	5P connector base	L104353280500	١.
C950		Ceramic chip 0.1µF/50V	D011104597200)	11		or commontor base	for E1,E1H,E1T	1
C951		Electrolytic 100µF/10V	D040101082060)	CP902	963 0059 309	3P connector base	L000151030030	١,
C952,953		Ceramic chip 0.1µF/50V	D011104597200)]]		0. 00.11.00.01.00.00	for E1,E1H,E1T	1'
C954,955		Ceramic chip 0.01µF/50V	D011103777200	}	H			IO EI,EIN,EII	
C956		Ceramic chip 1000pF/50V	D011102777200	1	F101	960 0142 602	Fuse 2.5A	G650252251160	1
OTHER R	ARTS GRO	IIB		T=	AFIGIAB	100 (005 00)	l Austria	for E1,E1H,E1T	222
CB801,	963 0050 502		Т	Qʻty				6845000050010	2000
803~805.	303 0030 502	Chip emifil	7611010000020	20	AF102	985 8044 700	Francis ISA	MELENET	
807~820.			ł					G660312251140	1000
828,840				١.	AFIGAR	960 0005 804	Preside A	ter E1,E1H,E1T G615000050010	
010,010						46.7		MELENET	
CN801	963 0046 707	16P connector socket			AFRIT A	908 9067 107	Francisk	G650892251160	
CN802	963 0050 609		L101352371610	1			10.5	WEIEIHEIT	
CN803	963 0050 308	1	L101352371810	1	A.F901A.B	20 TO SO.		Caractersons	
	300 0000 000	OF CONSIDEROR SUCRES	L101352370610	1				G ELEMET	2
FB801C,FL,	963 0050 706	Beads inductor	7610035500010	8				112.000	OR STATE
R.SL,SR,SW,					JK911	960 0143 203	AC outlet	G435040110000	1
18802L,R				1				for E1,E1H,E1T	
					JK912	963 0056 904	SLIDE SW	G060268320010	1
.801,802	963 0050 803	Inductor 4.7µH	D3304R7000150	2	1			for E1,E1H,E1T	
L803	963 0050 900	Inductor 2.2µH	D3302R2000150	۱]	1				i
.805	963 0050 803	Inductor 4.7µH	D3304R7000150	1	-	963 0044 602	Supporter	4070210192000	2
.807	963 0050 900	Inductor 2.2µH	D3302R2000150	1		1		for E1,E1H,E1T	- 1
				ı	_	963 0051 103	Spacer	4300210062000	2
CTALB01	960 0180 907	Crystal 12.288MHz	E80012R288020	1				for E1,E1H,E1T	
- • [960 0180 800	Optical connector (GP1F37R1)	E100137000010	2	İ				
- '	963 0052 500	1P pin jack	G600010003100	1		İ			
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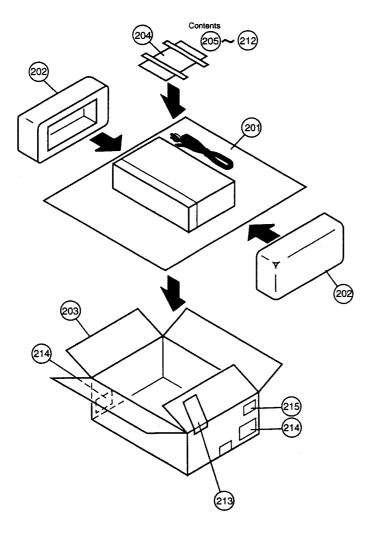
PARTS LIST OF EXPLODED VIEW

ks" indicate the following destinations E1C: Chins model E1H: Hong Kong model E1T: Taiwan R.O.C, model

<u> </u>	<u> </u>	F EXPLODE	DAICAA		E2: Euro E1: Asia	model	E1T: Taiwan	T.O.O. HOOM	
Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
	963 0042 507	Main P.W.B assy	7025HK9907010	1	2	960 0185 009	Power button	5090210201000	1
			for E3,EU		ll .	1		for Black model	
	963 0042 536		7025HK9907040	1	2	963 0055 206	Power button(GO)	5097210201110	1
			for E2		H			for Gold mode	1
	963 0042 578		7025HK9907110	1	3	963 0054 702	Window	5077210242010	1
			for E1,E1H,E1T		4	963 0054 906	Main volume knob	5087210191010	1
	963 0042 549		7025HK9907060	1	1			for Black model	
			for E1C		4	963 0055 002	Main volume knob(GO)MOLD	5087210191110	1
⊢26		Video CNT P.W.B assy		1			` '	for E2(Gold model),E1T	
43		Main P.W.B assy		1	4	112 0839 008	Main volume knob(GO):AL	for E1,E1C,E1H	
L ₅₁		Input P.W.B assy		1	5	963 0054 809	Select knob(BK)	5080210201000	1
	963 0042 604	Processor P.W.B assy	7025HK9907011	1			` '	for Black model	
1			for E3,EU		5	963 0055 109	Select knob(GO)MOLD	5087210201100	1
1	963 0042 633		7025HK9907041	1				for E2(Gold model),E1T	'
1			for E2		5	112 0835 015	Select knob(GO):AL	for E1,E1C,E1H	1
	963 0042 662		7025HK9907111	1	6	963 0051 307	Lens	3710210023000	2
1			for E1,E1C,E1H,E1T		7		Inner panel(BK)	3217210061000	1
r-12		Front P.W.B assy		1			inno paid(br)	for Black model	'
Ч_50		CPU P.W.B assy		1	7	963 0055 617	Inner panel(GO)	3217210062000	1
	963 0042 701	CNT P.W.B assy	7025HK9907012	1	i i		and paredool	for Gold mode	
		,	for E3.EU		8	960 0176 209	Push switch	G000122000010	1
1 1	963 0042 730		7025HK9907042	1	1	300 0170 203	i usii swilai		'
			for E2	'	8	963 0056 603	Occasion accession	SW901 for E3,EU	
	963 0042 769		7025HK9907112	1	l °	303 0030 003	Pusti swiich	G000040890000	1
	100 1042 700		for E1,E1C,E1H,E1T	'	ŀ			SW901 for E2,E1,	
	963 0042 743		7025HK9907062	1	ا ا	000 0407 700	Manual at a second and the m	E1C,E1H,E1T	
	300 0042 140			' I	9		Head phone jack(D6.5)	G402038400031	1
10		Hand share D M D	for E1C		13	960 0180 509	FLT (16-ST-42GNK)	K530164200010	1
T10		Head phone P.W.B assy		1	14	960 0181 100	IC NJL64H380A	E940643800000	
35		Switch P.W.B assy		1			. 	RMC301	
		Cnt P.W.B assy		1	15	960 0197 204	LED PI5-RD/HL50RDRF4T	K500052015010	
44		EXT-IN P.W.B assy		1				LED301~307	
45		Preout P.W.B assy		1	16	960 0184 408	FLT holder	4320200026000	1
46		S-Video P.W.B assy		1	17		Heat sink bracket F	4010210396000	1
48		Video P.W.B assy		1	18	960 0181 207	Rotary encoder	G121162420400	2
53		Tuner P.W.B assy		1	[]			VEC301,302 for	
L- 65		Outlet P.W.B assy	for E2	1				E3,EU,E2,E1T	
	963 0042 808	Pre-Amp P.W.B assy	7025HK9907013	1	18	212 0422 003	Rotary encoder	VEC301,302 for	2
<u> </u>		Pre-Amp P.W.B assy		1				E1,E1C,E1H	
	963 0042 905	DSP P.W.B assy	7025HK9907014	1	19	963 0044 107	Transistor 2SB1560Y	J5011560Y0000	5
49		DSP P.W.B assy		1			İ	Q102C,FL,FR,SL,SR	
<u> </u>	963 0060 110	Voltage sei P.W.B assy	7025HK9907105	1	20	960 0187 900	Posistor	F320161001020	1.
			tor E1,E1H,E1T		21	963 0058 106	Transistor 2SD947F	J503947F00000	5
60		Voltage sel P.W.B assy	for E1,E1H,E1T	1				Q103C,FL,FR,SL,SR	
1	963 0055 303	Front panel	3067210238000	1	22	963 0044 204	Transistor 2SD2390Y	J5032390Y0000	5
			for E3					Q101C,FL,FR,SL,SR	
1	963 0055 329	Front panel	3067210238060	1	23		Heat sink	2120210128000	1
			for EU		24	960 0184 204	Heat sink bracket B	4010210386000	1
1	963 0055 316	Front panel	3067210238020	1	25	960 0183 218	Top cover	3000210026000	1
			for E2(Black model)					for E3,EU	
1	963 0055 413	Front panel	3067210238010	1	25	960 0183 205	Top cover	3000210026001	1
		,	for E2(Gold model)		1			for E2(Black model)	
1	963 0055 426	Front panel	3067210238040	1	25	963 0055 507	Top cover	3000210026101	1
			for E1,E1C,E1H,E1T				İ	for Gold model	[
				ı	27		Wire clamp	4330000120000	2

28 28 29 30 31 32 33 34 4	963 0055 808 960 0198 216 960 0183 904 963 0051 103 960 0196 605 960 0194 107 960 0192 306 960 0194 005 360 0195 348	Chassis Chassis Foot assy Card spacer PCB supporter Supporter bracket Trans bracket Screw bracket	3200210146100 for E3,EU 3200210146301 for E2,E1, E1C,E1H,E1T 4008020061010 4070001601010 4010210466000 4010210466000 4010210196000	1 4 2 2 1 1 2	59 61	963 9060 304 960 0183 807 963 0044 602 963 0044 505	AC cord may Terminal PC suppoter Side bracket	tose000er0020 terFIG 379000090000 4070210192000 for E2,E1, E1C,E1H,E1T 4010210236000 for E2,E1,	1
29 30 31 32 33 34	960 0183 904 963 0051 103 960 0136 605 960 0184 107 960 0192 306 960 0198 000 988 3056 346	Foot assy Card spacer PCB supporter Supporter bracket Trans bracket Screw bracket	3200210146301 for E2,E1, E1C,E1H,E1T 4008020061010 4300210062000 4070001601010 401021006000 4010210466000 4010210196000	4 2 2 1	59 61 62	963 0044 602	Terminal PC suppoter	379000090000 4070210192000 for E2,E1, E1C,E1H,E1T 4010210236000	1
29 30 31 32 33 34	960 0183 904 963 0051 103 960 0136 605 960 0184 107 960 0192 306 960 0198 000 988 3056 346	Foot assy Card spacer PCB supporter Supporter bracket Trans bracket Screw bracket	tor E2,E1, E1C,E1H,E1T 4008020061010 4300210062000 4070001601010 4010210206000 4010210166000 4010210196000	4 2 2 1	61 62	963 0044 602	Terminal PC suppoter	379000090000 4070210192000 for E2,E1, E1C,E1H,E1T 4010210236000	1
30 31 32 33 34	963 0051 103 960 0136 605 960 0184 107 960 0192 306 960 0184 000 968 4056 346	Card spacer PCB supporter Supporter bracket Trans bracket Screw bracket	E1C.E1H.E1T 4008020061010 4300210062000 4070001601010 4010210206000 4010210466000 4010210196000	2 1 1	62			for E2,E1, E1C,E1H,E1T 4010210236000	1
30 31 32 33 34	963 0051 103 960 0136 605 960 0184 107 960 0192 306 960 0184 000 968 4056 346	Card spacer PCB supporter Supporter bracket Trans bracket Screw bracket	4008020061010 4300210062000 4070001601010 4010210206000 4010210466000 4010210196000	2 1 1		963 0044 505		for E2,E1, E1C,E1H,E1T 4010210236000	1
30 31 32 33 34	963 0051 103 960 0136 605 960 0184 107 960 0192 306 960 0184 000 968 4056 346	Card spacer PCB supporter Supporter bracket Trans bracket Screw bracket	4300210062000 4070001601010 4010210206000 4010210466000 4010210196000 8230680370010	2 1 1		963 0044 505	Side bracket	4010210236000	1
31 32 33 34	960 0136 605 960 0184 107 960 0192 306 960 0184 000	PCB supporter Supporter bracket Trans bracket Screw bracket	4070001601010 4010210206000 4010210466000 4010210196000 821050570010	2 1 1		963 0044 505	Side bracket	1	1
32 33 34	960 0184 107 960 0192 306 960 0184 000 960 0184 000	Supporter bracket Trans bracket Screw bracket	4010210206000 4010210466000 4010210196000	1				for E2,E1,	
33 34	960 0192 306 960 0184 000 961 0050 3467	Trans bracket Screw bracket	4010210466000 4010210196000 8280880570010	1					}
34	960 0184 000 860 0080 146/ 860 2208 1111	Screw bracket	4010210196000 823080670010	1 1	1		i	E1C,E1H,E1T	ŀ
			Katakon (Cyll 🎉	2	63	963 0054 304	Heatsink cushion	4050210205000	2
	10.		ALCOHOL: CONTRACT OF THE PARTY		1			for E2,E1,	
3			WE STREET	31				E1C,E1H,E1T	1
3				2	64	963 0051 200	Cushion	4050210165000	2
			82000E0570031		!			for EU,E2,	
3	A COLUMN TO SERVICE		ce ^t	*	1			E1,E1C,E1H,E1T	1
and the state of the		Marie Park	200		*	960 0093 104	Push livet	2410040353010	6
			WEI ENLES	*1				for E2,E1,	1
A	100.00	Print land	2000 TO	7	1			E1C,E1H,E1T	
				35	*	963 0061 407	FFC cable	L301186171850	1
37	_	Heat sink	2120044308010	1	!!!				
38	_	Heat sink	2120043538050	1					L.
36	980 0187 803	Louis A	G435204004010	61	SCREWS				_
	40.00	Market 1	ATION TO EXIST		^	963 0018 007	Screw (2S 3x8 ZNY/BH)	B020030081B10	4
		ACTUAL TO SERVICE	CONTRACTOR OF THE		В	960 0108 701	Screw (2S 3×10 DOT BK)	B020030103B11	4
			September		l i			for E3,EU,E2	
40	960 0194 809	2P speaker terminal	G611021078110	1	В	960 0108 701	Screw (2S 3×10 DOT BK)	B020030103B11	4
	. 1	•	JK103					for E1,E1H,E1T	
41	960 0188 608	4P speaker terminal	G612041037310	1	В	960 0108 701	Screw (2S 3×10 DOT BK)	B020030103B11	41
		·	JK102					for E1C	
42	960 0194 304	8P speaker terminal	G598041680020	1	C	963 0048 200	Screw (2S 3×10 ZNY/BH)	B020030101B10	5
		•	JK101		D	960 9008 417	Screw (3S 4x8 ZNY/BH)	B028940061B10	4
47		PCB holder	4420010173010	,	E	963 0048 307	Screw (2S 4×8 DOT BK)	1500040083B10	6
52	960 0184 602		4470210146000		1			for Black model	1
54	963 0054 003	Shield tuner pack	3070210056000		E	963 9004 012	Screw (2S 4×8 DOT NI)	1500040084B10	6
55		Back panel	3207210256000	1	1			for Gold mode	1
			for E3		F	963 9004 009	Screw (25 3×14 WASHER ZNYAHH)	B018230141H10	15
55	963 0055 756	Back nanel	3207210256050	1	G	960 9008 420	Screw (2S 3×8 WASHER)	1500001456010	1
- 1		ous, pulli	for EU		н н	963 0018 104	Screw (2S 3×17 ZNY/BH)	B020030171B10	2
55	963 0055 714	Back nanel	3207210256020	۱, ا	1	963 9004 025	Screw (3S 4×6 ZNY/BH)	B020740061B10	6
			for E2		J	963 9004 041	Screw (2S 3×5 ZNY/BH)	B020030051B10	2
55	963 0055 730	Rack nanel	3207210256040	١, ا				tor E1,E1H,E1T,E2,E1C	
		audi puloi	tor E1,E1H,E1T						l
55	963 0055 727	Rack name!	3207210256030	, I					-
		paris-	for E1C]				
57	960 0192 403	Cord bush	4380210002000	١, ١					
	200 0120 104	COMPARED AND ARREST ARREST ARREST AND ARREST AND ARREST AND ARREST AND ARREST AND ARREST ARREST AND	L06020030010	9,					
		3.4	WEARN THE	1					-
30 G	980 0165 304	AC cord sear	1.086040011010	,]				-
17.0				l, l					ļ
		K con page.	LONDACCHOOD	L I	1			1	
		4-986-1 et l	e eizir	6 I					1
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			K+1/2	H-4				ļ	

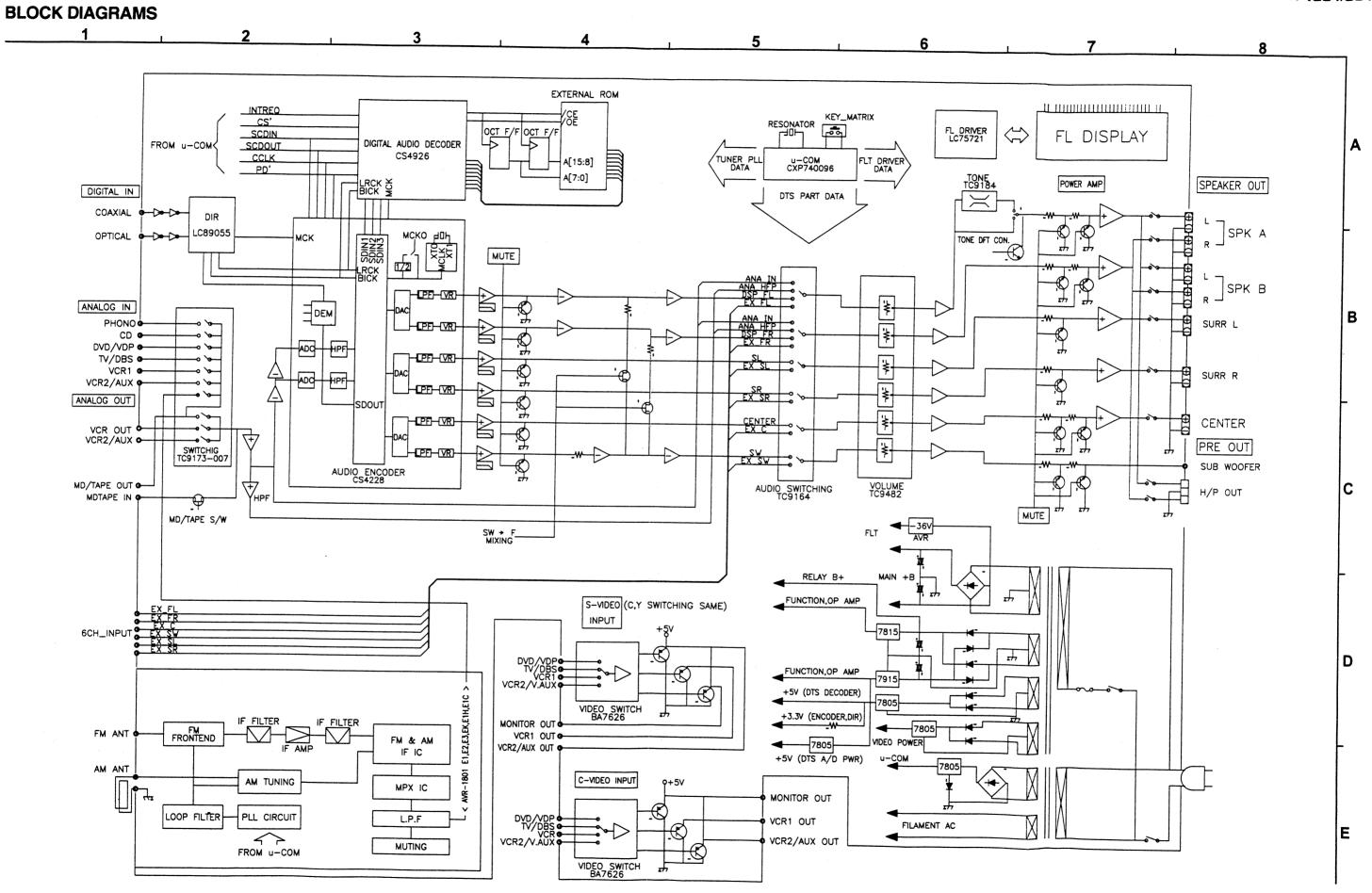
PACKING VIEW

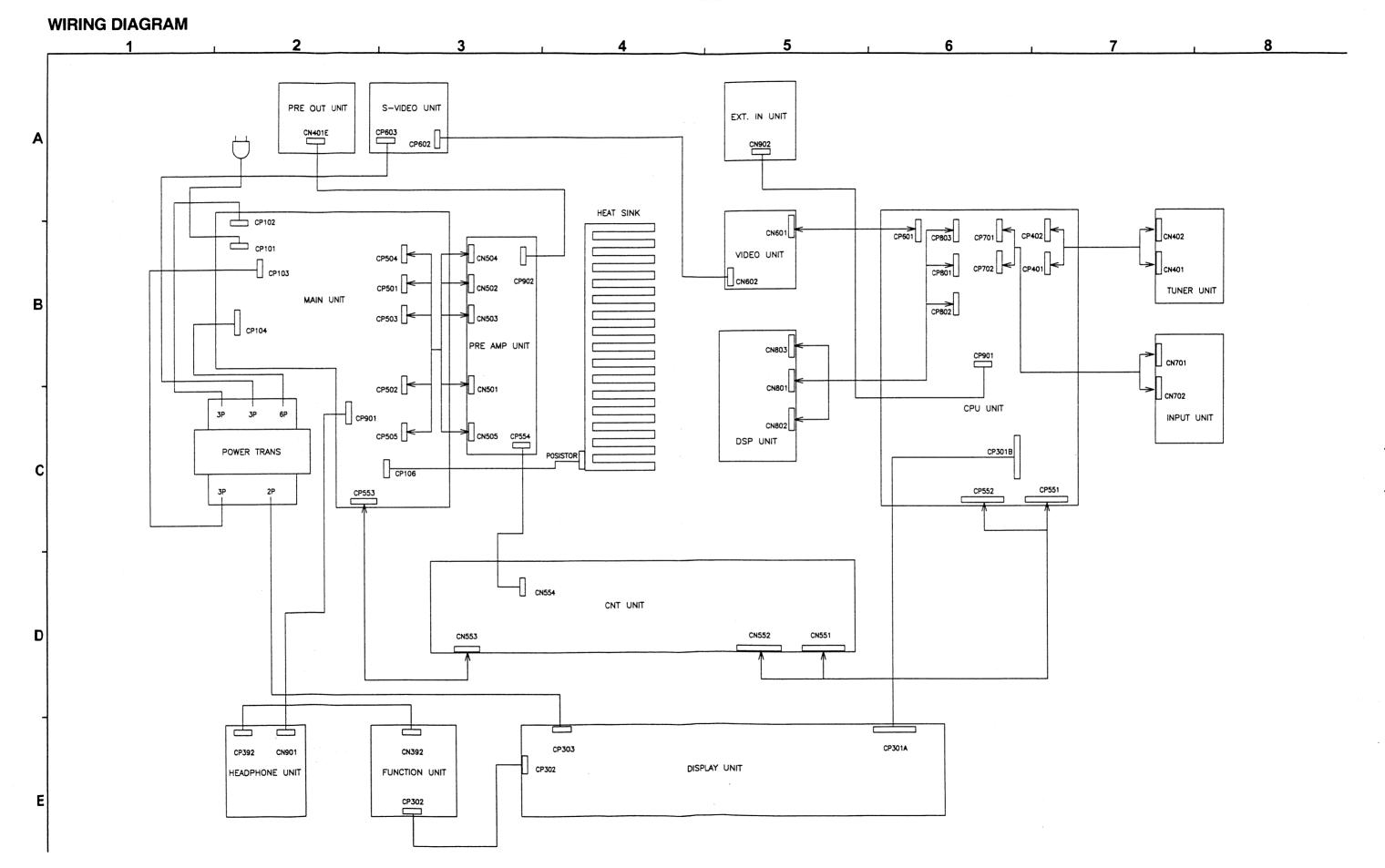


PARTS LIST OF PACKING & ACCESSORIES

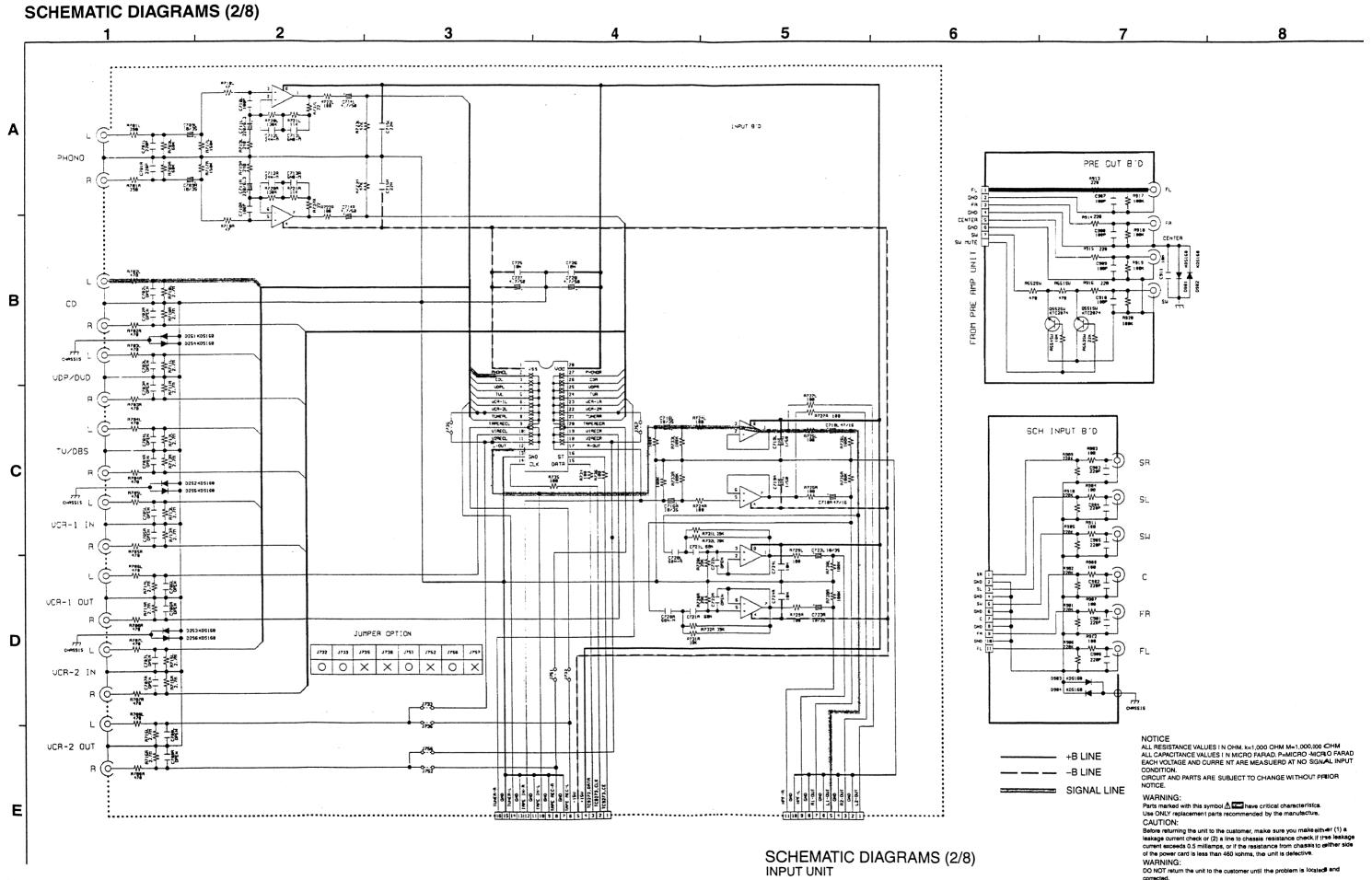
Note: The symbols in the column "Remarks" indicate the following destinations,
E9 U.S.A. model. Careada model
E0 U.S.A. model. Careada model
E1 Law model
E1 Law model

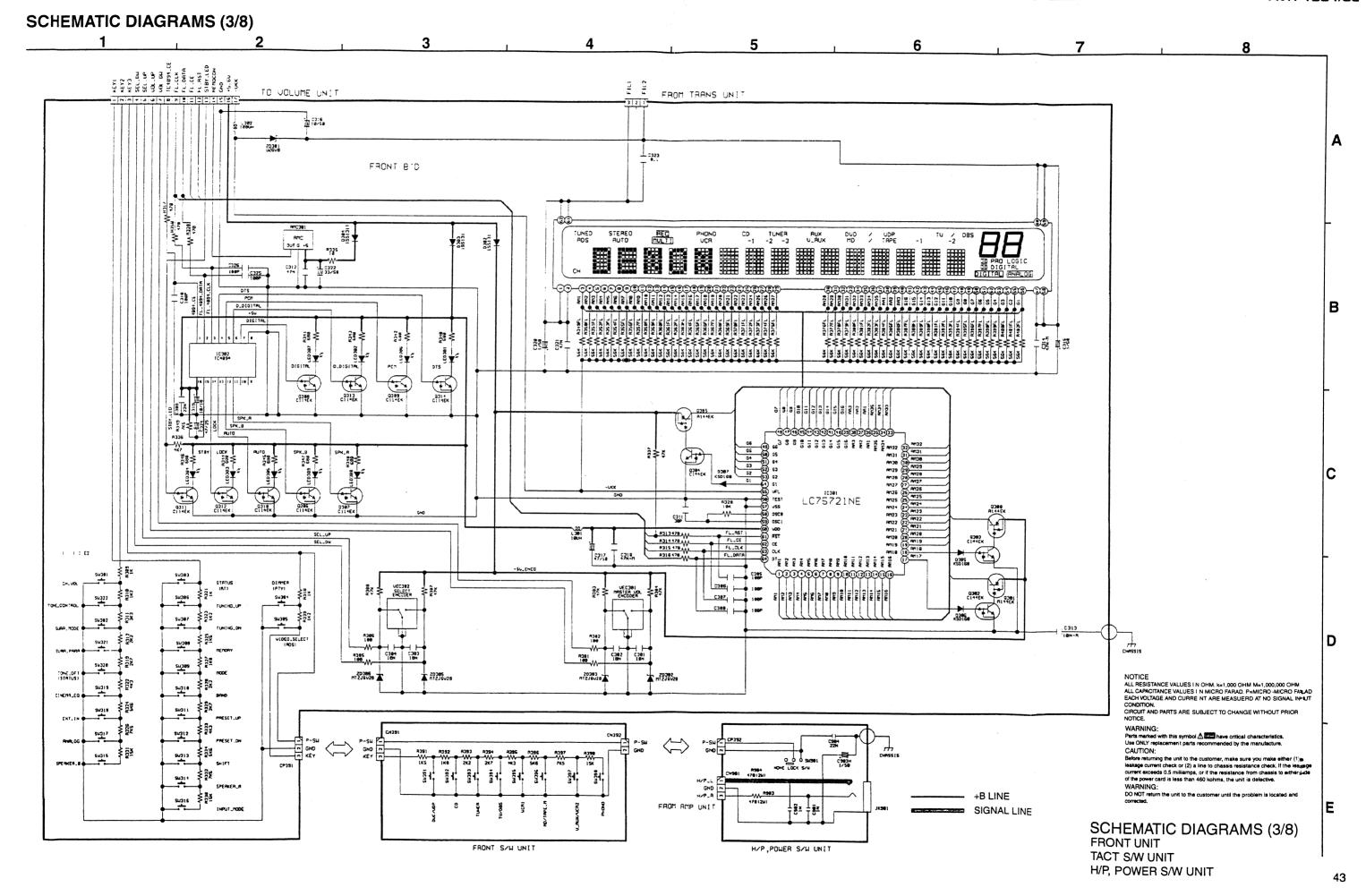
E1: Assa model		E1T: Tervan R.O.C. model		
Ref. No.	Part No.	Part Name	Remarks	QT
201	960 0185 601	Set poly bag	6330210019000	1
202	960 0185 504	Cushion	6230210124000	1
203	963 0054 511	Carton case	6007210140010	1
	Į.		for E3,E2	
203	963 0054 566	Carton case	6007210140040	1
	1		for EU	
203	963 0054 524	Carton case	6007210140030	1
	1		for E1.E1C.E1T	
203	963 0054 537	Carton case	6007210150020	1
			for E1H	
204	963 0045 106	Poly bag	6330000240000	1
205		Instruction manual	5113598006	1
			for E3.EU	'
205	963 0054 621	Instruction manual	5113599005	1
200	300 300 402	NEW MOUNT THE ROLL	for E2	'
205	963 0054 650	Instruction manual	5113621009	1
205	903 0034 030	instruction markual		1
205	000 0004 047		for E1,E1C,E1H,E1T	
205	963 0054 647	Instruction manual	5113623007	1
***			for E1C	
206	515 0867 101	1	5777001620011	1
207	1	AM loop antenna	E605010090000	1
208	963 0052 209		E605000030010	1
209	963 0043 001	Remocon RC-874	8300874000010	1
210	-	Battery (R6P/AA)	G670001R50010	2
211	963 0052 704	FM antenna adapter	L109000180010	1
212	963 0061 300	AC plug adapter	L10928300310A	1
	1		for E1T	
213	515 0817 009	DEL Warranty home	5778001470070	1
			for E3,EU	
214	-	Control label	5500014920010	2
215		UPC label	5507002340010	1
			for E3	
215	- :	UPC label	5507002340050	1
			for EU	
215	-	EAN label	5507002340040	1
			for E2(Black model)	
215	-	EAN label	5507002340030	1
			for E2(Gold model)	
*	513 3322 003	Label (RDS,RADIO TEXT)	for E2	2
*	_	Label (CCIB)	5500020160030	2
			for E1C	
*	513 3341 000	Carton label (A)	for E1.E1C.E1H.E1T	1
*	513 3342 009	Carton label (B)	for E1,E1C,E1H,E1T	1
*	513 9111 001	Color label (Gold)	for Gold mode	2
*	963 0055 905	Pad	6240210004000	2
			for E1H	-
			- LIII	
		İ		

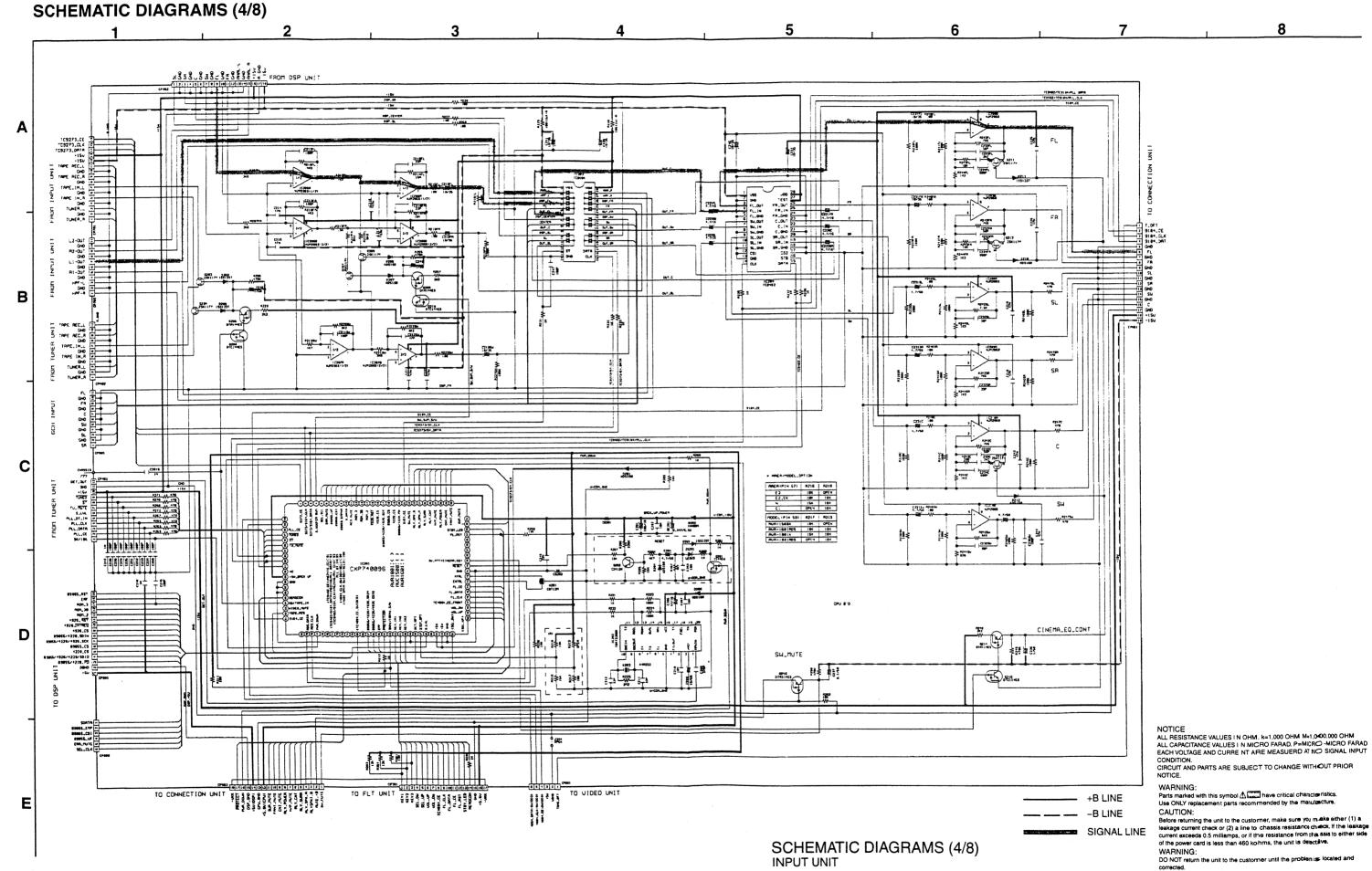




SCHEMATIC DIAGRAMS (1/8) ANY, SPR, BRIT, SPR, B FRONT CENTER В TO POSISTOR T SURROUND 91175L W D R)48 1 (1/44)-R NOTICE ALL RESISTANCE VALUES IN OHM. K=1,000 OHM M=1,000,000 OHM ALL CAPACITANCE VALUES I N MICRO FARAD. P=MICRO -MICRO FARAD EACH YOLTAGE AND CURRE NT ARE MEASUERD AT NO SIGNAL INPUT CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR WARNING: Parts marked with this symbol A have critical characteristics. Duse ONLY replacement parts recommended by the manufacture. CAUTION: Before returning the unit to the customer, make sure you make either (f) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460 knhms, the unit is detective. WARNING: DO NOT return the unit to the customer until the problem is located and corrected. TO FRONT FILAMENT AC +B LINE MAIN B'D --- -B LINE = SIGNAL LINE SCHEMATIC DIAGRAMS (1/8) MAIN UNIT **VOLTAGE SEL UNIT**







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SCHEMATIC DIAGRAMS (5/8) EN SON FROM TO PRE OUT UNIT bat awb 3.0 FI CSDIFL TOPEL RSBGFL 33K 2583m x1C2874 CS84FL QS82FL 2280 KS8992 9585FL 9583FL 7 C586FL X58992 189 18 CSSSFR 47P CSS2FR 18/35 ASSIFA 2×2 6 5N0 7 5A 8 5N0 9 5 50 10 5N0 11 5N 12 5URA_MUTE 13 CNT_MUTE 14 FRNT_MUTE USS BASS+ BASS-CON TREBL TREBL GND 9584FR 228 228 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | ASSIFL C552FL 2X2 18/25 990 390 RS82FR 199¥ UN I FR CSSGFL MSSGFL CSSFL CSSFL GSGFL NSSGFL SSG \$\$\$\$£ \$\$\$\$£ \$\$\$\$£ 2 NF3 SS RSS BC CONNECTION UNIT ₩ ≥ -W-0553 DTR114ES RSS1 CSS1 22K 2.2/58 MAIN 22/16 1K RS815L 228 228 | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | Sassi | ₩ 1K 0554 DTR114ES R571 9552 KTRL258 ¥ RS82SL 188K CONNECTION B'D SL _____ C5879L ______ 21Q-11 RS89SL MA N CSS4 0.1/58 \$A5189. LIND CSSIS D666 1551337 DIATTALES C5825R RS84SR 220 C557 #5835R 22X 06815R x102874 992 T C5365A ≱ RS825A 189K RSE/SA RSEESA -UKK -Z RLY_FRONT_R -J RLY_FRONT_B -1 PROTECT -6 LITIT -6 MP_NUTE -7 RLY_CNT -8 RLY_CNT -18 RLY_CNT -19 RLY_CNT -19 RLY_CNT -19 RLY_COM -19 GND -119 GND -119 GND -119 GND -119 GND -119 GND -119 GND -119 GND -119 GND -119 GND -129 GND -129 GND -139 GND -149 GND -150 GND -15 SR 18271877 CS01M PHIR_DOM DSP_GND +SU (0SP) CPU_GND +B LINE SUR HUTE FRMT HUTE CNT HUTE RLY POLER HVP HUTE __ _ _ B LINE SIGNAL LINE NOTICE ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD. EACH VOLTAGE AND CURRE NT ARE MEASUERD AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. WARNING: Bufore returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check, if the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either saide of the power card is least than 460 kohms, the unit is delective WARNING: DO NOT return the unit to the customer until the problem is located and corrected. E SCHEMATIC DIAGRAMS (5/8) CNT UNIT / PRE-AMP UNIT

SCHEMATIC DIAGRAMS (6/8) 5 6 5-U:0ED 8 0 SUIDEO UNIT Α C-410E0 8.0 JIDES UNIT TO S_VIDEO UNIT ASS1 \$.7758 J. AUXZUER2 4653 \$ (653 75 \$ 4.7758 -0000000-TUZDAS R630 229K P654 \$.775€ NOSI GO D653 KD5168 D654 KD5168 A684 \$ 4.77/58 FROM_CPU_UNIT В DUD/UDP C681 869 C582 869 C683 869 4094_DATA(SUIDEO) 1891_DHTH(SUIDED) 1891_CLK(SUIDED) 1891_CE (SUIDED) CPEN 10NE_DF1 OUD/UDP U. AUXZUCRZ OUT XTAI 266 -----U. PUXZVCB2 DUT 3 5 ¥ 3 5 ¥ . R613 R614 18/16 ∰ 200 ≤ 200 HG88 \$ 478/5.3 3 8 9 8 8 UCAL CUT 186× 5 A669 } 8KZ ≶ 4655 ≯ CG55 ngsc \$ 0656 1,7/5€ CHASISS GND C 3 E U 0U12 Z * 5 8 2 * 5 ' MSS? ≥ 1.7/50 75 C676 7 2 2 3 3 3 3 3 3 3 L H 4 IN3 IK3 0 A658 C658 1.7/58 н н ь H H L D н н н 115 +B LINE 8671 68 WARNING: ALL RESISTANCE VALUES I N OHM. k=1,000 OHM M=1,000,000 OHM ALL CAPACITANCE VALUES I N MICRO FARAD. P=MICRO -MICRO FARAD EACH VOLTAGE AND CURRE NT ARE MEASUERD AT NO SIGNAL INPUT Parts marked with this symbol 🛦 🔤 have critical characteristics. R674 68 CAUTION: Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460 kohms, the unit is defective. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR DO NOT return the unit to the customer until the problem is located and corrected. E AGB1 3 1683 } } SCHEMATIC DIAGRAMS (6/8) VIDEO UNIT / S-VIDEO UNIT

